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Development of a Method for the Quantitative Detection of Honey in Imported Products.

A thesis

submitted in partial fulfilment
of the requirements for the degree
of

Master of Science in Chemistry

at

The University of Waikato

by

Mérine Dumté



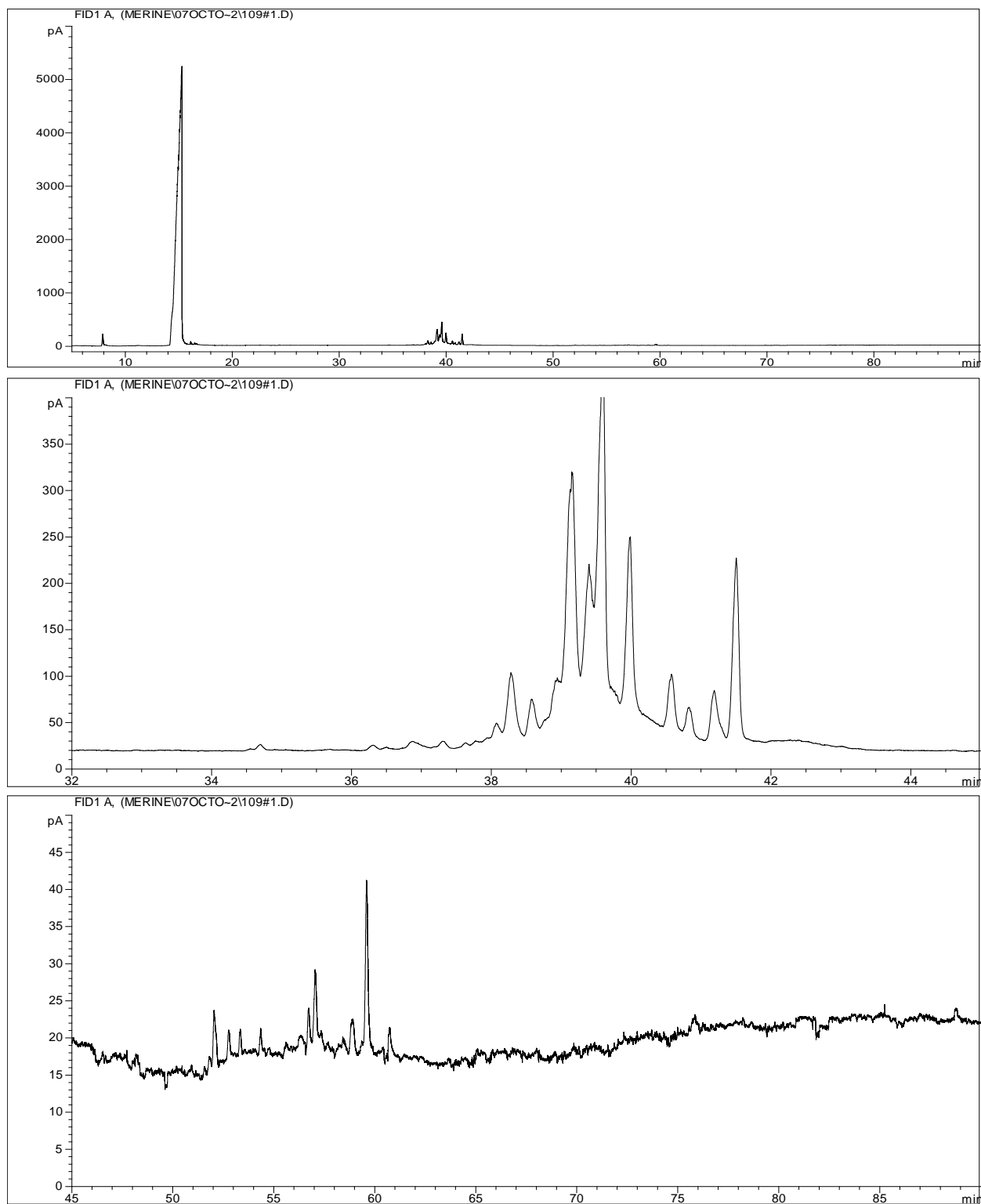
THE UNIVERSITY OF
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2010

10.2 APPENDIX B: Supplementary Data.

109 Reproducibility Samples



109#1	Wt(s) (mg)	14.02					
	Wt(Xyl) (mg)	0.09983					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.902	1592.7	-			
Mono	Monosaccharides	15.308	165792.6	1.937	0.97	10.77	76.81
A	Sucrose	34.697	34.8	4.391	0.76	0.00	0.02
B	Trehalose	36.867	99.2	4.666	0.92	0.01	0.05
C	Cellobiose	38.282	799.8	4.845	0.72	0.07	0.50
D	Laminaribiose	38.944	662.6	4.928	0.80	0.05	0.37
E	Nigerose+Turanose1	39.131	1396.8	4.952	0.80	0.23	1.65
	Nigerose+Turanose1	39.152	1552.4	4.955			
F	Turanose2+Maltulose1	39.398	1668.1	4.986	0.80	0.13	0.93
G	Maltose+Maltulose2	39.576	1648.8	5.008	0.80	0.26	1.86
	Maltose+Maltulose2	39.599	1676.2	5.011			
H	Kojibiose	39.987	1657.1	5.060	1.43	0.07	0.52
I	Melibiose	40.559	286.7	5.133	0.44	0.09	0.67
	Melibiose	40.576	375.5	5.135			
J	Gentiobiose	40.831	333.6	5.167	0.52	0.04	0.29
K	Palatinose1	41.189	544.1	5.212	0.68	0.00	0.00
L	Palatinose2+Isomaltose	41.504	1317.6	5.252	0.46	0.00	0.00
M	Raffinose	51.819	19.1	6.558	0.65	0.00	0.01
N	1-kestose	52.049	61.1	6.587	0.44	0.01	0.06
O	Erlose	52.773	36.8	6.678	0.55	0.00	0.03
P	Melezitose	53.355	23.4	6.752	0.56	0.00	0.02
Q	Maltotriose	57.046	126.4	7.219	0.55	0.01	0.10
R	Panose	59.592	213.5	7.541	0.55	0.02	0.17
S	Isomaltotriose	60.748	32.4	7.688	0.56	0.00	0.03
109#2	Wt(s) (mg)	16.45					
	Wt(Xyl) (mg)	0.09988					
Peak	Sugar	Time(min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.934	1557.5	-			
Mono	Monosaccharides	15.334	173141.8	1.933	0.97	11.45	69.58
A	Sucrose	34.69	41.1	4.372	0.76	0.00	0.02
B	Trehalose	36.871	109.5	4.647	0.92	0.01	0.05
C	Cellobiose	38.272	821.9	4.824	0.72	0.07	0.45
D	Laminaribiose	38.936	622.5	4.907	0.80	0.05	0.30
E	Nigerose+Turanose1	39.142	2480.4	4.933	0.80	0.20	1.21
F	Turanose2+Maltulose1	39.385	1477.1	4.964	0.80	0.12	0.72
G	Maltose+Maltulose2	39.574	3119.8	4.988	0.80	0.25	1.52
H	Kojibiose	39.958	1923.1	5.036	1.43	0.09	0.52
I	Melibiose	40.564	781.7	5.113	0.44	0.11	0.69

J	Gentiobiose	40.831	426.1	5.146	0.52	0.05	0.32
K	Palatinose1	41.176	458.5	5.190	0.68	0.04	0.26
L	Palatinose2+Isomaltose	41.495	1597.6	5.230	0.46	0.22	1.35
M	Raffinose	51.861	11.8	6.537	0.65	0.00	0.01
N	1-kestose	52.063	36.8	6.562	0.44	0.01	0.03
O	Erlose	52.787	35	6.653	0.55	0.00	0.02
P	Melezitose	53.343	35.1	6.723	0.56	0.00	0.02
Q	Maltotriose	57.079	96.6	7.194	0.55	0.01	0.07
R	Panose	59.614	192.6	7.514	0.55	0.02	0.14
S	Isomaltotriose	60.77	31.6	7.659	0.56	0.00	0.02
109#3	Wt(s) (mg)	13.63	-				
	Wt(Xyl) (mg)	0.09995					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.886	1770.2	-			
Mono	Monosaccharides	15.294	163865.9	1.939	0.97	9.54	69.98
A	Sucrose	34.691	35.4	4.399	0.76	0.00	0.02
B	Trehalose	36.861	117.4	4.674	0.92	0.01	0.05
C	Cellobiose	38.285	842.7	4.855	0.72	0.07	0.48
D	Laminaribiose	38.954	557.7	4.940	0.8	0.04	0.29
E	Nigerose+Turanose1	39.142	2872.3	4.963	0.8	0.20	1.49
F	Turanose2+Maltulose1	39.397	1600.4	4.996	0.8	0.11	0.83
G	Maltose+Maltulose2	39.584	3183	5.020	0.8	0.22	1.65
H	Kojibiose	39.978	1778.3	5.069	1.43	0.07	0.52
I	Melibiose	40.566	732.9	5.144	0.44	0.09	0.69
J	Gentiobiose	40.823	407.9	5.177	0.52	0.04	0.32
K	Palatinose1	41.18	572.3	5.222	0.68	0.05	0.35
L	Palatinose2+Isomaltose	41.494	1361.6	5.262	0.46	0.17	1.23
M	Raffinose	51.813	16.3	6.570	0.65	0.00	0.01
N	1-kestose	52.04	48.8	6.599	0.44	0.01	0.05
O	Erlose	52.758	26.7	6.690	0.55	0.00	0.02
P	Melezitose	53.344	14.6	6.764	0.56	0.00	0.01
Q	Maltotriose	57.027	99	7.231	0.55	0.01	0.07
R	Panose	59.58	227.2	7.555	0.55	0.02	0.17
S	Isomaltotriose	60.698	45.7	7.697	0.56	0.00	0.03
109#4	Wt sample (mg)	15.34					
	Wt Xylitol (mg)	0.09983					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.438	1262.1				
Mono	Monosaccharides	14.314	43860.2	1.924	0.97	8.46	55.14
	Monosaccharides	14.624	59330.4	1.966			
A	Sucrose	34.306	44.7	4.612	0.76	0.00	0.03

B	Trehalose	36.539	312.2	4.912	0.92	0.03	0.17
C	Cellobiose	37.9	608.4	5.095	0.72	0.07	0.44
D	Laminaribiose	38.567	473	5.185	0.80	0.05	0.30
E	Nigerose+Turanose1	38.742	2805	5.209	0.80	0.28	1.81
F	Turanose2+Maltulose1	38.984	1599.5	5.241	0.80	0.16	1.03
G	Maltose+Maltulose2	39.174	2733.2	5.267	0.80	0.27	1.76
H	Kojibiose	39.583	1338.1	5.322	1.43	0.07	0.48
I	Melibiose	40.195	349.3	5.404	0.44	0.06	0.41
J	Gentiobiose	40.458	212.3	5.439	0.52	0.03	0.21
K	Palatinose1	40.785	273.2	5.483	0.68	0.09	0.62
L	Palatinose2+Isomaltose	41.103	798.7	5.526	0.46	0.04	0.29
M	Raffinose	51.248	5.2	6.890	0.65	0.00	0.00
N	1-kestose	51.723	38	6.954	0.44	0.01	0.04
O	Erlose	52.408	16.8	7.046	0.55	0.00	0.02
P	Melezitose	52.978	20.2	7.123	0.56	0.00	0.02
Q	Maltotriose	56.653	59.2	7.617	0.55	0.01	0.06
R	Panose	59.151	99.5	7.953	0.55	0.01	0.09
109#5	Wt(s) (mg)	17.00					
	Wt(xyl) (mg)	0.09983					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.421	653.2	-			
Mono	Monosaccharides	13.494	2760.2	1.818	0.97	9.775	57.500
	Monosaccharides	13.951	5481.2	1.880			
	Monosaccharides	14.389	36709	1.939			
	Monosaccharides	14.511	16769.6	1.955			
A	Sucrose	34.299	52.5	4.622	0.76	0.011	0.062
B	Trehalose	36.529	201.2	4.922	0.92	0.03	0.20
C	Cellobiose	37.866	368.3	5.103	0.72	0.08	0.46
D	Laminaribiose	38.521	396.3	5.191	0.80	0.08	0.45
E	Nigerose+Turanose1	38.715	1447.1	5.217	0.80	0.28	1.63
F	Turanose2+Maltulose1	38.967	872.3	5.251	0.80	0.17	0.98
G	Maltose+Maltulose2	39.125	1276.6	5.272	0.80	0.24	1.43
H	Kojibiose	39.544	563.1	5.329	1.43	0.06	0.35
I	Melibiose	40.164	164.3	5.412	0.44	0.06	0.34
J	Gentiobiose	40.44	103.9	5.449	0.52	0.03	0.18
K	Palatinose1	40.775	149.2	5.495	0.68	0.10	0.59
L	Palatinose2+Isomaltose	41.073	329.1	5.535	0.46	0.04	0.24
M	Raffinose	51.213	4	6.901	0.65	0.00	0.01
N	1-kestose	51.683	25	6.964	0.44	0.01	0.05
O	Erlose	52.404	12.1	7.062	0.55	0.00	0.02
P	Melezitose	52.95	17.8	7.135	0.56	0.00	0.03

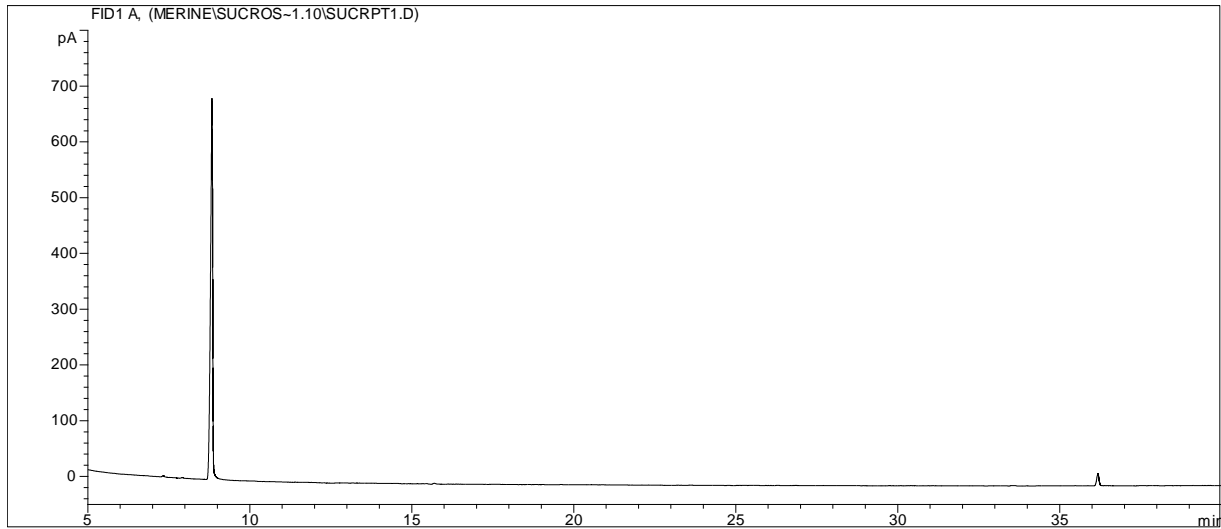
Q	Maltotriose	56.648	40.8	7.633	0.55	0.01	0.07
R	Panose	59.12	54.3	7.967	0.55	0.02	0.09
109#6	Wt(s) (mg)	15.22					
	Wt(Xyl) (mg)	0.09983					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.444	1656.9	-			
Mono	Monosaccharides	14.558	93097	1.956	0.97	10.01	65.77
	Monosaccharides	14.791	67221.2	1.987			
A	Sucrose	34.296	44.4	4.607	0.76	0.00	0.02
B	Trehalose	36.513	116.7	4.905	0.92	0.01	0.05
C	Cellobiose	37.888	758.5	5.090	0.72	0.06	0.42
D	Laminaribiose	38.534	418.3	5.177	0.80	0.03	0.21
E	Nigerose+Turanose1	38.746	1815.2	5.205	0.80	0.21	1.39
	Nigerose+Turanose1	38.765	990.4	5.208			
F	Turanose2+Maltulose1	38.997	1599	5.239	0.80	0.12	0.79
G	Maltose+Maltulose2	39.193	3436.1	5.265	0.80	0.26	1.70
H	Kojibiose	39.575	1804.6	5.316	1.43	0.08	0.50
I	Melibiose	40.177	566	5.397	0.44	0.08	0.51
J	Gentiobiose	40.452	373.4	5.434	0.52	0.04	0.28
K	Palatinose1	40.782	480.9	5.479	0.68	0.13	0.83
L	Palatinose2+Isomaltose	41.11	1559.4	5.523	0.46	0.08	0.52
N	1-kestose	51.717	37.5	6.947	0.44	0.01	0.03
O	Erlose	52.434	17.1	7.044	0.55	0.00	0.01
P	Melezitose	52.989	11.7	7.118	0.56	0.00	0.01
Q	Maltotriose	56.658	110	7.611	0.55	0.01	0.08
R	Panose	59.173	199.3	7.949	0.55	0.02	0.14
S	Isomaltotriose	60.337	22.3	8.105	0.56	0.00	0.02
109#10	Wt(s) (mg)	14.65					
	Wt(Xyl) (mg)	0.09995					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.443	1714.2	-			
Mono	Monosaccharides	14.488	78679.8	1.947	0.97	9.74	66.47
	Monosaccharides	14.825	82476.1	1.992			
A	Sucrose	34.299	41.3	4.608	0.76	0.00	0.02
B	Trehalose	36.482	70.6	4.902	0.92	0.00	0.03
C	Cellobiose	37.899	734.2	5.092	0.72	0.06	0.41
D	Laminaribiose	38.534	608	5.177	0.80	0.04	0.30
E	Nigerose+Turanose1	38.749	2470.3	5.206	0.80	0.18	1.23
F	Turanose2+Maltulose1	38.985	1504.8	5.238	0.80	0.11	0.75
G	Maltose+Maltulose2	39.184	3360.6	5.265	0.80	0.24	1.67
H	Kojibiose	39.568	1782.7	5.316	1.43	0.07	0.50

I	Melibiose	40.173	559.7	5.397	0.44	0.07	0.51
J	Gentiobiose	40.465	371.6	5.437	0.52	0.04	0.28
K	Palatinose1	40.784	452.1	5.480	0.68	0.12	0.79
L	Palatinose2+Isomaltose	41.101	1620.8	5.522	0.46	0.09	0.63
M	Raffinose	51.281	6.7	6.890	0.65	0.00	0.00
N	1-kestose	51.741	46.7	6.952	0.44	0.01	0.04
O	Erlose	52.449	28.1	7.047	0.55	0.00	0.02
P	Melezitose	52.998	21.9	7.121	0.56	0.00	0.02
Q	Maltotriose	56.683	101.2	7.616	0.55	0.01	0.07
R	Panose	59.186	206.2	7.952	0.55	0.02	0.15
S	Isomaltotriose	60.405	20.7	8.116	0.56	0.00	0.01
109#13	Wt(s) (mg)	13.67					
	Wt(Xyl) (mg)	0.09983					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.643	1409.8	-			
Mono	Monosaccharides	14.443	56752.5	1.890	0.97	9.26	67.74
	Monosaccharides	14.737	69431.9	1.928			
A	Sucrose	34.161	48.1	4.470	0.76	0.00	0.03
B	Trehalose	36.374	236.9	4.759	0.92	0.02	0.13
C	Cellobiose	37.758	625.1	4.940	0.72	0.06	0.45
D	Laminaribiose	38.394	467.4	5.023	0.80	0.04	0.30
E	Nigerose+Turanose1	38.434	84.3	5.029	0.80	0.26	1.92
	Nigerose+Turanose1	38.558	981.3	5.045			
	Nigerose+Turanose1	38.593	1906.9	5.049			
F	Turanose2+Maltulose1	38.832	1721.7	5.081	0.80	0.15	1.11
G	Maltose+Maltulose2	39.04	2802.8	5.108	0.80	0.25	1.81
H	Kojibiose	39.432	1166.5	5.159	1.43	0.06	0.42
I	Melibiose	40.03	375.9	5.237	0.44	0.06	0.44
J	Gentiobiose	40.298	206.9	5.273	0.52	0.03	0.21
K	Palatinose1	40.637	324.7	5.317	0.68	0.10	0.74
L	Palatinose2+Isomaltose	40.948	972.3	5.358	0.46	0.05	0.37
M	Raffinose	51.325	14	6.715	0.65	0.00	0.01
N	1-kestose	51.531	49.6	6.742	0.44	0.01	0.06
O	Erlose	52.241	22.3	6.835	0.55	0.00	0.02
P	Melezitose	52.797	17.4	6.908	0.56	0.00	0.02
Q	Maltotriose	56.459	79.3	7.387	0.55	0.01	0.07
R	Panose	58.92	205	7.709	0.55	0.03	0.19
S	Isomaltotriose	60.025	20.7	7.854	0.56	0.00	0.02
T	Maltotetraose?	74.788	26.9	9.785	ND		

109#15	Wt(s) (mg)	13.35					
	Wt(Xyl) (mg)	0.09995					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.556	1289.4				
Mono	Monosaccharides	13.623	391.1	1.803	0.97	8.33	62.42
	Monosaccharides	14.382	45335.6	1.903			
	Monosaccharides	14.656	58545.7	1.940			
A	Sucrose	34.163	37.1	4.521	0.76	0.00	0.03
B	Trehalose	36.348	209.8	4.810	0.92	0.02	0.13
C	Cellobiose	37.749	528.2	4.996	0.72	0.06	0.43
D	Laminaribiose	38.451	626	5.089	0.80	0.06	0.45
E	Nigerose+Turanose1	38.58	2743.5	5.106	0.80	0.27	1.99
F	Turanose2+Maltulose1	38.838	1831.1	5.140	0.80	0.18	1.33
G	Maltose+Maltulose2	39.023	2661.1	5.165	0.80	0.26	1.93
H	Kojibiose	39.421	1115.1	5.217	1.43	0.06	0.45
I	Melibiose	40.026	368.9	5.297	0.44	0.06	0.49
J	Gentiobiose	40.294	185.6	5.333	0.52	0.03	0.21
K	Palatinose1	40.622	291.2	5.376	0.68	0.10	0.74
L	Palatinose2+Isomaltose	40.938	808.7	5.418	0.46	0.04	0.29
M	Raffinose	51.306	14.9	6.790	0.65	0.00	0.01
N	1-kestose	51.515	43.6	6.818	0.44	0.01	0.06
O	Erlose	52.226	20.8	6.912	0.55	0.00	0.02
P	Melezitose	52.792	18	6.987	0.56	0.00	0.02
Q	Maltotriose	56.451	86	7.471	0.55	0.01	0.09
R	Panose	58.895	136.4	7.794	0.55	0.02	0.14
S	Isomaltotriose	59.996	18	7.940	0.56	0.00	0.02
T	Maltotetraose?	74.712	36	9.888	ND		

ND = Not determined

Sucrose Repeat Standards



Raw data in Table 19.

RF of Standards Data.

GlucoseRF#1							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.087	91.1	21.3	0.0711	50.879	1.01	
2	14.815	87.9	16.5	0.0888	49.121	0.897	
GlucoseRF#2							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.075	155	36.2	0.0713	69.231	0.827	
2	14.813	68.9	13.2	0.0626	30.769	0.979	
GlucoseRF#3							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.086	444.8	103.5	0.0554	84.895	0.945	
2	14.811	79.1	14.9	0.0883	15.105	0.897	
Sample ID	Weight glucose (mg)	Net weight glucose (mg)	Weight xylitol (mg)	Area Glucose	Area Xylitol	X (Wt Gluc/Wt Xyl)	Y (Area Malto/Area Xyl)
Blank	0	0	0	0	0	0	0
GlucoseRF#1	1.00	1.00	1.00	87.9	91.1	1.00	0.965
GlucoseRF#2	0.50	0.50	1.00	68.9	155	0.50	0.445
GlucoseRF#3	0.20	0.20	1.00	79.1	444.8	0.20	0.178

FructoseRF#1							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.594	2699.4	452.9	0.075	4.796	1.046	
2	14.153	23369.2	1446.3	0.2693	41.521	4.492	
3	14.437	29848.3	2568.7	0.1937	53.032	5.479	
FructoseRF#2							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.557	2334.1	424.2	0.0719	7.508	1.19	
2	13.962	11569.6	840	0.2296	37.214	1.988	
3	14.276	17185.6	1751	0.1636	55.278	5.051	
FructoseRF#3							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.635	1697.8	306.5	0.0923	12.07	0.963	
2	13.945	4960.2	578.2	0.143	35.264	1.662	
3	14.219	7407.9	1010.9	0.1221	52.666	3.407	
Sample ID	Weight fructose (mg)	Net weight fructose (mg)	Weight xylitol (mg)	Area Fructose	Area Xylitol	X (Wt Fruc/Wt Xyl)	Y (Area Fruc/Area Xyl)
Blank	0	0	0	0	0	0	0
FructoseRF#1	2.148	2.148	0.09983	53217.5	2699.4	21.5165782	19.71457
FructoseRF#2	1.074	1.074	0.09988	28755.2	2334.1	10.7529035	12.31961
FructoseRF#3	0.537	0.537	0.09995	12368.1	1697.8	5.37268634	7.28478

CellobioseRF# 1								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.538	2787.9	464.4	0.0728	11.525	1.116	Xylitol	0.88
2	33.972	36.4	5.6	0.1081	0.15	0.687		
3	34.154	8.1	1.6	0.0835	0.034	0.508		
4	35.114	98.8	9.1	0.1816	0.409	0.511		
5	35.473	32	3.6	0.1467	0.132	1.005		
6	36.787	729.8	77.3	0.1573	3.017	0.545		
7	37.124	76.7	4.4	0.2875	0.317	0		
8	38.007	18784.7	1623.3	0.1929	77.653	9.557	Cello	
9	38.112	1636.4	82.7	0.3298	6.764	0.0833		
CellobioseRF# 2								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.526	2778.8	486.4	0.0952	20.705	1.188	Xylitol	

2	33.988	23.3	3.3	0.1191	0.174	0.788	
3	34.162	13.4	1.6	0.142	0.1	0.852	
4	35.129	252.8	15.5	0.2714	1.884	0.446	
5	35.476	159.2	7.3	0.3645	1.186	0.155	
6	36.839	3780.5	310.4	0.203	28.169	0.637	
7	37.831	6412.9	722.7	0.1479	47.782	1.299	Cello
CellobioseRF# 3							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.666	3256.3	597.7	0.0908	52.299	1.207	Xylitol
2	35.182	131.6	8.5	0.2576	2.113	0.348	
3	35.52	79.3	4.3	0.3041	1.274	0.203	
4	36.853	282.6	11.9	0.3961	4.539	0.215	
5	37.805	2476.5	192.1	0.2148	39.775	0.592	Cello
Sample ID	Weight cellobiose (mg)	Net weight cellobiose (mg)	Weight xylitol (mg)	Area Cellobiose	Area Xylitol	X (Wt Cello/Wt Xyl)	Y (Area Cello/Area Xyl)
Blank	0	0	0	0	0	0	0
Cellobiose1	0.993	0.87384	0.09983	18784.7	2787.9	8.753281	6.737939
Cellobiose2	0.4965	0.43692	0.09988	6412.9	2778.8	4.374449	2.307795
Cellobiose3	0.14887556	0.131010495	0.09995	2476.5	3256.3	1.31076	0.760526

GentiobioseRF #1								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.655	2179.7	407.5	0.0654	26.37	1.257	Xyl	0.9
2	38.075	90.4	8.1	0.1867	1.093	0.392		
3	38.813	222.3	17.5	0.2113	2.689	0.375		
4	39.258	27.7	2.6	0.1797	0.335	0.104		
5	40.804	5301.6	672.7	0.1314	64.138	1.484	Gentio	
6	41.273	444.2	20.8	0.3554	5.374	0.628		
GentiobioseRF #2								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.648	2152.1	396	0.0707	60.002	1.304	Xyl	0.9
2	38.171	24.1	1.8	0.2207	0.672	0.707		
3	38.607	6.8	1.4	0.0801	0.189	2.607		
4	38.912	32.9	3.3	0.1665	0.916	1.021		

5	39.043	11.8	2	0.0968	0.329	0.367		
6	40.765	1359.1	134.9	0.1679	37.892	0.559	Gentio	
GentiobioseRF #3								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.647	2117.7	343.4	0.0757	81.201	0.925	Xyl	
2	40.839	490.3	33.7	0.2424	18.799	0.304	Gentio	
Sample ID	Weight gentiobiose (mg)	Net weight gentiobiose (mg)	Weight xylitol (mg)	Area Gentiobiose	Area Xylitol	X (Wt Gent/Wt Xyl)	Y (Area Gent/Area Xyl)	
Blank	0	0	0	0	0	0	0	
Gentiobiose1	0.4875	0.43875	0.09983	5301.6	2179.7	4.394971	2.432261	
Gentiobiose2	0.195	0.1755	0.09988	1359.1	2152.1	1.757109	0.631523	
Gentiobiose3	0.0975	0.08775	0.09995	490.3	2117.7	0.877939	0.231525	

IsomaltoseRF #1								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.728	1421.6	246.8	0.0689	15.764	0.841	Xylitol	0.86296
2	37.848	173.5	11.6	0.249	1.924	0.197		
3	38.725	132.1	17.4	0.1263	1.465	1.934		
4	38.917	484.1	33.5	0.2405	5.368	0.655		
5	40.642	251.3	19.3	0.2172	2.786	0.421		
6	41.55	6555.3	763.2	0.1432	72.693	1.816	Isomaltose	
IsomaltoseRF #2								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.726	767.2	125	0.0731	42.66	0.655	Xylitol	0.824864
2	38.012	38.5	2.1	0.3003	2.143	0.323		
3	38.356	18.5	1.9	0.1596	1.028	0.307		
4	38.801	21.1	2.7	0.129	1.176	0.919		
5	39.015	77.2	5.6	0.2287	4.291	0.612		
6	40.779	25.3	2	0.2102	1.405	0.977		
7	41.545	850.6	61.9	0.2292	47.298	0.454	Isomaltose	
IsomaltoseRF #3								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.74	1081	175.3	0.0767	78.746	0.828		

2	41.584	291.8	20.8	0.2335	21.254	0.421		
Sample ID	Weight isomaltose (mg)	Net weight isomaltose (mg)	Weight xylitol (mg)	Area Isomaltose	Area Xylitol	X (Wt Isomaltose/Wt Xyl)	Y (Area Isomaltose/Area Xyl)	
Blank	0	0	0	0	0	0	0	
IsomaltoseRF #1	1.042	0.89612	0.09983	6555.3	1421.6	8.97646	4.611213	
IsomaltoseRF #2	0.521	0.44806	0.09988	850.6	767.2	4.485983	1.108707	
IsomaltoseRF #3	0.1042	0.089612	0.09995	291.8	1081	0.896568	0.269935	

KojibioseRF# 4								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.638	1112.1	192.5	0.0769	6.974	0.723	Xylitol	0.9
2	30.636	195.8	4.6	0.7058	1.228	0.683		
3	35.004	402.5	28.2	0.2375	2.524	0.672		
4	35.383	96.3	5	0.3209	0.604	0.0618		
5	36.303	67.3	6.6	0.1707	0.422	0.55		
6	37.198	192	13.7	0.2332	1.204	0.733		
7	37.794	178.6	18.9	0.1576	1.12	0.503		
8	38.225	76.3	4	0.314	0.478	0.313		
9	39.602	13526.4	1212.9	0.1859	84.821	3.02	Koji	
10	40.949	99.7	6.6	0.2501	0.625	0.458		
KojibioseRF# 5								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.594	1742.2	305.6	0.095	11.6	0.966	Xylitol	0.9
2	34.977	404.9	21	0.3211	2.696	0.457		
3	35.472	129.8	6	0.3584	0.864	0.274		
4	37.185	53.6	5	0.1804	0.357	1.201		
5	37.8	22.1	3.6	0.1037	0.147	0.86		
6	39.591	12586.5	1162.5	0.1804	83.803	3.188	Koji	
7	40.945	80.1	7.1	0.1878	0.533	0.608		
Sample ID	Weight kojibiose (mg)	Net weight kojibiose (mg)	Weight xylitol (mg)	Area Kojibios e	Area Xylitol	X (Wt Koji/Wt Xyl)	Y (Area Koji/Area Xyl)	
Blank	0	0	0	0	0	0	0	
KojibioseRF#4	0.875	0.7875	0.0998	13526.4	1112.1	7.88841	12.1629	

			3				3	
KojibioseRF#5	0.65641	0.59077	0.09988	12586.5	1742.2	5.914825	7.22449	

MaltoseRF# 1								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	8.087	856	194.5	0.0571	57.591	1.288	Xylitol	0.8
2	35.971	3.8	0.6	0.1054	0.255	1.174		
3	36.168	30.4	3.8	0.1325	2.043	0.887		
4	37.191	3.4	0.72	0.0789	0.229	0.379		
5	37.471	20.1	2.7	0.1255	1.35	0.675		
6	38.037	2.8	0.43	0.1093	0.189	0.371		
7	38.36	4.2	0.66	0.1063	0.283	0.776		
8	39.829	6.3	1.2	0.0884	0.422	21.131		
9	39.989	531.2	88	0.1006	35.742	1.16	Maltose	
10	57.642	28.2	3.7	0.128	1.895	0.862		
MaltoseRF# 2								
#	Time	Area	Height	Width	Area%	Symmetry		
1	8.102	1248.9	286.3	0.0597	77.502	1.32	Xylitol	
2	37.221	7.8	0.9	0.1443	0.483	3.225		
3	37.477	4.6	1	0.0775	0.288	0.806		
4	38.349	4.7	0.86	0.0904	0.289	0.589		
5	39.777	6.9	1.1	0.1067	0.431	0.802		
6	39.97	319.9	51.9	0.1027	19.849	0.711	Maltose	
7	57.65	18.7	2.4	0.1282	1.159	0.803		
MaltoseRF# 3								
#	Time	Area	Height	Width	Area%	Symmetry		
1	8.108	1445.1	313	0.0591	90.204	1.436	Xyl	
2	39.972	156.9	24.8	0.1057	9.796	0.693	Maltose	
Sample ID	Weight maltos e (mg)	Net weight maltose (mg)	Weigh t xylitol (mg)	Area Maltos e	Area Xylitol	X (Wt Malto/Wt Xyl)	Y (Area Malto/Are a Xyl)	
Blank	0	0	0	0	0	0	0	
MaltoseRF#1	1.0003	0.80024	1.0002	531.2	856	0.80008	0.620561	
MaltoseRF#2	0.50015	0.40012	1.0015	319.9	1248.9	0.399521	0.256145	
MaltoseRF#3	0.20006	0.16004	1.0028	156.9	1445.1	0.159601	0.108574	

MelibioseRF# 1							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.015	956.6	202	0.0789	30.21	0.995	Xylitol
2	42.43	2209.9	333.1	0.1106	69.79	1.419	Melibiose
MelibioseRF# 2							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.019	1058.1	235.7	0.0748	86.314	1.169	Xylitol
2	42.376	167.8	28	0.0997	13.686	0.967	Melibiose
MelibioseRF# 3							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.006	512.4	111	0.0769	98.783	0.967	Xylitol
2	42.399	6.3	1	0.1015	1.217	0.898	Melibiose
Sample ID	Weight Melibiose (mg)	Net weight Melibiose (mg)	Weight xylitol (mg)	Area Melibiose	Area Xylitol	X (Wt Melib/Wt Xyl)	Y (Area Melib/Area Xyl)
Blank	0	0	0	0	0	0	0
MelibioseRF#1	0.509	0.509	0.09983	2209.9	956.6	5.098668	2.310161
MelibioseRF#2	0.1018	0.1018	0.09988	167.8	1058.1	1.019223	0.158586
MelibioseRF#3	0.02036	0.02036	0.09995	6.3	512.4	0.203702	0.012295

PalatinoseRF# 1								
#	Time	Area	Height	Width	Area%	Symmetry		Purit y
1	7.856	2121	353.1	0.0746	12.518	1.16	Xylitol	0.88
2	37.716	46.2	4.7	0.1637	0.273	0.535		
3	38.011	110.2	8.3	0.2213	0.65	0.594		
4	38.399	28.7	2.8	0.1735	0.169	0.698		
5	38.853	164.9	20.5	0.1342	0.973	1.018		
6	39.028	363	42.4	0.1426	2.142	0.612		
7	39.299	504.8	53	0.1587	2.979	0.78		
8	40.479	267.2	22	0.2026	1.577	0.755		
9	40.773	357.3	33.5	0.1777	2.109	0.622		
10	41.389	4692.7	557	0.1404	27.696	1.587	Pala1	
11	41.758	8287.9	998.6	0.1383	48.914	2.435	Pala2	
PalatinoseRF# 2								
#	Time	Area	Height	Width	Area%	Symmetry		

1	7.661	1439.4	266.2	0.0901	53.612	0.915	Xylitol	
2	40.735	390	32.5	0.1998	14.525	0.626	Pala1	
3	41.036	855.5	53.4	0.2669	31.863	0.413	Pala2	
PalatinoseRF# 3								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.536	682.8	145.5	0.0782	78.487	1.014		
2	40.631	61.7	4.8	0.212	7.087	0.351		
3	40.935	125.5	6.9	0.3047	14.426	0.253		
Sample ID	Weight Palatinose (mg)	Net weight palatinose (mg)	Weight xylitol (mg)	Area Palatinose	Area Xylitol	X (Wt Pala/Wt Xyl)	Y (Area Pala/Area Xyl)	
Blank	0	0	0	0	0	0	0	
PalatinoseRF# 1	1.005	0.8844	0.09983	12980.6	2121	8.85906	6.120038	
PalatinoseRF# 2	0.201	0.17688	0.09988	1245.5	1439.4	1.770925	0.865291	
PalatinoseRF# 3	0.1005	0.08844	0.09995	187.2	682.8	0.884842	0.274165	

SucroseRF# 1							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.079	2212.7	460	0.0802	58.253	1.796	Xylitol
2	35.163	1585.7	244.4	0.1081	41.747	1.283	Sucrose
SucroseRF# 2							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.096	2804.5	567.2	0.0824	69.807	1.932	Xylitol
2	35.151	1213	199.8	0.1012	30.193	1.036	Sucrose
SucroseRF# 3							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.082	2282.5	475.5	0.08	93.131	1.86	Xylitol
2	35.134	168.4	22.9	0.1228	6.869	0.75	Sucrose
Sample ID	Weight sucrose (mg)	Net weight sucrose (mg)	Weight xylitol (mg)	Area Sucrose	Area Xylitol	X (Wt Suc/Wt Xyl)	Y (Area Suc/Area Xyl)
Blank	0	0	0	0	0	0	0
SucroseRF#1	0.0995	0.0995	0.1009	1585.7	2212.7	0.986125	0.716636

SucroseRF#2	0.04975	0.04975	0.10079	1213	2804.5	0.493601	0.432519
SucroseRF#3	0.00995	0.00995	0.10004	168.4	2282.5	0.09946	0.073779

TrehaloseRF#1dil							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.936	3376.1	593.7	0.0948	50.902	1.538	Xylitol
2	37.14	3256.4	372.3	0.1458	49.098	1.211	Trehalose
TrehaloseRF#2dil							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.898	2460.2	466.6	0.0879	88.474	1.244	Xylitol
2	37.174	320.5	21.9	0.2444	11.526	0.496	Trehalose
TrehaloseRF#3dil(2)							
#	Time	Area	Height	Width	Area%	Symmetry	
1	8.034	14566	1847.1	0.1314	97.294	5.633	Xylitol
2	37.136	405.1	28.3	0.2389	2.706	0.336	Trehalose
Sample ID	Weight trehalose (mg)	Net weight trehalose (mg)	Weight xylitol (mg)	Area trehalose	Area Xylitol	X (Wt Treh/Wt Xyl)	Y (Area Treh/Area Xyl)
Blank	0	0	0	0	0	0	0
TrehaloseRF#1	1.0425	1.0425	1.009	3256.4	3376.1	1.033201	0.964545
TrehaloseRF#2	0.2085	0.2085	1.0079	320.5	2460.2	0.206866	0.130274
TrehaloseRF#3	0.0417	0.0417	1.0004	405.1	14566	0.041683	0.027811

IsomaltotrioseRF#1								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.474	2486.7	477	0.0869	21.618	1.343	Xylitol	0.83
2	41.307	36.1	5.6	0.108	0.314	0.787		
3	56.273	31.6	3.8	0.1383	0.275	2.582		
4	56.471	76.3	7.8	0.1631	0.663	1.946		
5	56.626	27.5	14.5	0.0317	0.239	1.743		
6	57.003	482.7	47.8	0.1683	4.196	0.551		
7	57.171	203.2	20.6	0.1648	1.767	0.00958		
8	57.983	115.4	10.2	0.1893	1.003	0.803		
9	58.62	36.3	3.1	0.1946	0.316	0.672		
10	59.226	49.4	4	0.2078	0.429	0.776		
11	59.922	70.8	6.4	0.1859	0.616	1.092		
12	60.418	7451.5	661.7	0.1877	64.78	3.155	Isomalt	
13	61.406	435.3	12.8	0.5658	3.784	0.345		

IsomaltotrioseRF#2							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.474	2420.9	422.1	0.0956	73.011	1.179	Xylitol
2	55.522	146.7	2.2	1.1257	4.425	2.07	
3	56.584	25.1	1.6	0.2595	0.756	0.705	
4	57.102	83.3	4.3	0.3204	2.512	0.314	
5	60.327	639.8	42.3	0.2521	19.296	0.531	Isomalt
IsomaltotrioseRF#3							
#	Time	Area	Height	Width	Area%	Symmetry	
1	7.466	2432.2	399.8	0.1014	96.204	1.092	Xylitol
2	60.514	96	6.7	0.2392	3.796	0.634	Isomalt
Sample ID	Weight isomaltotriose (mg)	Net weight isomaltotriose (mg)	Weight xylitol (mg)	Area Isomaltotriose	Area Xylitol	X (Wt Isomaltotriose/Wt Xyl)	Y (Area Isomaltotriose/Area Xyl)
Blank	0	0	0	0	0	0	0
IsomaltotrioseRF#1	0.6225	0.51668	0.09983	7451.5	2486.7	5.175548	2.99654
IsomaltotrioseRF#2	0.1245	0.10334	0.09988	639.8	2420.9	1.034592	0.26428
IsomaltotrioseRF#3	0.06225	0.05167	0.09995	96	2432.2	0.516933	0.03947

KestoseRF#1								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.485	2290.1	450.2	0.0848	27.16	1.391	Xylitol	0.76
2	48.87	161	15.2	0.1765	1.909	0.611		
3	49.649	42	4.2	0.1669	0.499	0.847		
4	49.923	494.4	32.3	0.2554	5.863	0.335		
5	50.306	230.8	15.1	0.2546	2.737	0.423		
6	50.875	359.1	15.3	0.3909	4.258	1.731		
7	51.802	4577.9	556.9	0.137	54.293	1.556	Kestose	
8	52.389	276.7	12	0.3845	3.281	0.687		
KestoseRF#2								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.486	2336.7	445.7	0.0802	46.245	1.418	Xylitol	
2	48.879	56.2	5.3	0.1774	1.113	0.635		

3	49.956	154.8	8.4	0.3081	3.064	0.337		
4	50.304	109.3	6.5	0.279	2.164	0.363		
5	50.911	102.2	5	0.3401	2.022	0.787		
6	51.761	2293.6	246.3	0.1552	45.393	0.868	Kestose	
KestoseRF# 3								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.494	2913.5	553.4	0.0877	84.413	1.553	Xylitol	
2	51.766	538	53.3	0.1683	15.587	0.604	Kestose	
Sample ID	Weight kestos e (mg)	Net weight kestose (mg)	Weight xylitol (mg)	Area Kestose	Area Xylitol	X (Wt Kest/Wt Xyl)	Y (Area Kest/Area Xyl)	
Blank	0	0	0	0	0	0	0	
Kestose1	0.589	0.44175	0.09983	4577.9	2290.1	4.425023	1.998996	
Kestose2	0.2945	0.22088	0.09988	2293.6	2336.7	2.211404	0.981555	
Kestose3	0.1178	0.08835	0.09995	538	2913.5	0.883942	0.184658	

MelezitoseRF# 1								
#	Time	Area	Height	Width	Area%	Symmetry		Purity
1	7.638	1807	335.4	0.0719	23.128	1.119	Xylitol	0.56
2	41.907	212	31.3	0.0812	2.714	0.762		
3	48.502	38.7	4.2	0.1531	0.495	1.057		
4	49.246	75.7	7.8	0.1611	0.969	0.683		
5	50.044	156.2	16.9	0.1537	1.999	0.71		
6	50.934	1018.7	127.5	0.1332	13.039	1.261		
7	51.01	519.1	72.9	0.1188	6.644	0		
8	51.465	60.4	12.1	0.083	0.772	7.343		
9	51.585	332.5	29.3	0.1891	4.256	0.744		
10	53.313	3350.9	429.2	0.1301	42.888	1.747	Melez	
11	53.775	241.9	11.5	0.3503	3.097	0.941		
MelezitoseRF# 2								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.638	1864.5	323.5	0.0685	42.878	0.955	Xylitol	
2	41.997	96.6	12.9	0.1252	2.222	0.653		
3	48.499	35.3	3.3	0.1795	0.812	0.388		
4	49.277	47.1	4.9	0.1586	1.083	0.839		
5	50.073	77.6	8.6	0.151	1.784	0.76		
6	50.968	271	27.8	0.1622	6.232	1.181		

7	51.051	203.2	21.9	0.1549	4.674	6.73E-03		
8	51.616	172	10	0.2875	3.955	0.745		
9	53.289	1524.5	178.6	0.1423	35.06	0.939	Melez	
10	53.885	56.5	4	0.2328	1.3	1.101		
MelezitoseRF#3								
#	Time	Area	Height	Width	Area%	Symmetry		
1	7.644	2190.8	361.9	0.0734	85.8	1.068	Xylitol	
2	42.345	16.2	2.1	0.1262	0.636	0.98		
3	49.407	26.3	2.4	0.1839	1.028	0.826		
4	50.195	19.7	1.7	0.1935	0.77	0.775		
5	51.18	80.4	4.1	0.3298	3.15	0.814		
6	53.343	220	17.9	0.2049	8.616	0.41	Melez	
Sample ID	Weight melezitose (mg)	Net weight melezitose (mg)	Weight xylitol (mg)	Area Melezitose	Area Xylitol	X (Wt Melez/Wt Xyl)	Y (Area Melez/Area Xyl)	
Blank	0	0	0	0	0	0	0	
Melezitose1	0.522	0.3132	0.09983	3350.9	1807	3.13733	1.8544	
Melezitose2	0.261	0.1566	0.09988	1524.5	1864.5	1.56788	0.817645	
Melezitose3	0.1044	0.06264	0.09995	220	2190.8	0.62671	0.10042	

RaffinoseRF# 1								
#	Time	Area	Height	Width	Area%	Symmetry		
1	8.1	1628.9	341.7	0.0795	60.051	1.411	Xylitol	
2	52.292	1083.6	154.4	0.1169	39.949	0.723	Raffinose	
RaffinoseRF# 2								
#	Time	Area	Height	Width	Area%	Symmetry		
1	8.089	1636.2	347.4	0.0785	77.531	1.335	Xylitol	
2	52.271	474.2	69.3	0.114	22.469	0.546	Raffinose	
RaffinoseRF# 3								
#	Time	Area	Height	Width	Area%	Symmetry		
1	8.084	1588.2	345.2	0.0767	90.757	1.474	Xylitol	
2	52.273	161.8	23.4	0.1153	9.243	0.698	Raffinose	

Sample ID	Weight Raffinose (mg)	Net weight raffinose (mg)	Weight xylitol (mg)	Area Raffinose	Area Xylitol	X (Wt Raff/Wt Xyl)	Y (Area Raff/Area Xyl)
Blank	0	0	0	0	0	0	0
RaffinoseRF#1	1.001		1.009	1083.6	1628.9	0.992071	0.665234
RaffinoseRF#2	0.5005		1.0004	474.2	1636.2	0.5003	0.289818
RaffinoseRF#3	0.2002		1.0004	161.8	1588.2	0.20012	0.101876

Honey results for China (non-adulterated)

19#1	Wt(s) (mg)	16.79							
	Wt(Xyl) (mg)	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.922	1303.9						
Mono	Monosaccharides	15.272	127759.5	1.928	0.97	10.08	60.06		
A	Sucrose	35.022	5213	4.421	0.76	0.53	3.13		
B	Trehalose	37.095	276.4	4.683	0.92	0.02	0.14		
C	Cellobiose	38.539	558.3	4.865	0.72	0.06	0.35		
D	Laminaribiose	38.982	215.8	4.921	0.8	0.02	0.12		
E	Nigerose+Turanose1	39.198	1226.5	4.948	0.8	0.12	0.70		
F	Turanose2+Maltulose1	39.287	585.1	4.959	0.8	0.06	0.33		
G	Maltose+Maltulose2	39.694	1528	5.011	0.8	0.15	0.87		
H	Kojibiose	40.181	251.9	5.072	1.43	0.01	0.08		
I	Melibiose	40.478	146.4	5.110	0.44	0.03	0.15		
J	Gentiobiose	40.784	112.8	5.148	0.52	0.02	0.10		
K	Palatinose1	41.038	96.7	5.180	0.68	0.02	0.15	288.2	
	Palatinose2	41.407	125.2	5.227				-66.3	
M	Raffinose	52.019	121.4	6.566	0.65	0.01	0.09		
N	Kestose	52.254	103.9	6.596	0.44	0.02	0.11		
O	Erlose	53.047	116	6.696	0.55	0.02	0.10		
P	Melezitose	53.655	36	6.773	0.56	0.00	0.03		
R	Panose	59.877	13.2	7.558	0.55	0.00	0.01		
80#1	Wt(s) (mg)	14.63							
	Wt(Xyl) (mg)	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.076	4469.2						
Mono	Monosaccharides	15.935	391237	1.973	0.97	9.01	61.58		
A	Sucrose	35.065	5137.3	4.342	0.76	0.15	1.03		
B	Trehalose	37.151	194.6	4.600	0.92	0.01	0.04		
C	Cellobiose	38.576	780.5	4.777	0.72	0.02	0.17		

D	Laminaribiose	39.232	1421	4.858	0.8	0.04	0.27		
E	Nigerose+Turanose1	39.445	2860.6	4.884	0.8	0.08	0.55		
F	Turanose2+Maltulose1	39.696	1429	4.915	0.8	0.04	0.27		
G	Maltose+Maltulose2	39.941	7154.4	4.946	0.8	0.20	1.37		
H	Kojibiose	40.264	1488.7	4.986	1.43	0.02	0.16		
I	Melibiose	40.846	634.4	5.058	0.44	0.03	0.22		
J	Gentiobiose	41.078	280.8	5.086	0.52	0.01	0.08		
K	Palatinose1	41.465	611	5.134	0.68	0.05	0.31		1820.9
	Palatinose2	41.768	765.4	5.172					-444.5
M	Raffinose	52.082	45.9	6.449	0.65	0.00	0.01		
N	Kestose	52.316	417	6.478	0.44	0.02	0.14		
O	Erlose	53.067	1865.9	6.571	0.55	0.08	0.52		
P	Melezitose	53.611	128.9	6.638	0.56	0.01	0.04		
Q	Maltotriose	57.373	446.5	7.104	0.55	0.02	0.12		
R	Panose	59.914	169.2	7.419	0.55	0.01	0.05		
S	Isomaltotriose	61.01	7.7	7.554	0.56	0.00	0.00		
80#2	Wt(s) (mg)	17.84							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.097	4840.6						
Mono	Monosaccharides	16.086	471752.8	1.987	0.97	10.04	56.25		
A	Sucrose	35.09	6154.4	4.334	0.76	0.17	0.94		
B	Trehalose	37.146	100.5	4.588	0.92	0.01	0.03		
C	Cellobiose	38.577	913.6	4.764	0.72	0.03	0.15		
D	Laminaribiose	39.245	1681.4	4.847	0.8	0.04	0.24		
E	Nigerose+Turanose1	39.466	3466	4.874	0.8	0.09	0.50		
F	Turanose2+Maltulose1	39.703	1363.9	4.903	0.8	0.04	0.20		
G	Maltose+Maltulose2	39.965	8124.3	4.936	0.8	0.21	1.17		
H	Kojibiose	40.275	1657.9	4.974	1.43	0.02	0.13		
I	Melibiose	40.858	607.1	5.046	0.44	0.03	0.16		
J	Gentiobiose	41.082	271.3	5.074	0.52	0.01	0.06		
K	Palatinose1	41.471	618.6	5.122	0.68	0.05	0.26	1843.6	
	Palatinose2	41.776	900.5	5.159				-324.5	
N	Kestose	52.323	530.6	6.462	0.44	0.02	0.14		
O	Erlose	53.074	2340.9	6.555	0.55	0.09	0.49		
P	Melezitose	53.677	87.1	6.629	0.56	0.00	0.02		
Q	Maltotriose	57.371	523.4	7.085	0.55	0.02	0.11		
R	Panose	59.915	180.6	7.400	0.55	0.01	0.04		
S	Isomaltotriose	61.013	12.7	7.535	0.56	0.00	0.00		
80#3	Wt(s) (mg)	19.83							
	Wt(Xyl) (mg)	0.09995							

Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.086	4518.7						2164.8 -494.7
Mono	Monosaccharides	16.076	473440.9	1.988	0.97	10.80	54.44		
A	Sucrose	35.09	6165	4.340	0.76	0.18	0.90		
B	Trehalose	37.145	266.8	4.594	0.92	0.01	0.03		
C	Cellobiose	38.583	962.8	4.772	0.72	0.03	0.15		
D	Laminaribiose	39.248	816.3	4.854	0.8	0.02	0.11		
E	Nigerose+Turanose1	39.433	1359.2	4.877	0.8	0.09	0.46		
	Nigerose+Turanose1	39.459	735.7	4.880					
	Nigerose+Turanose1	39.476	1196.8	4.882					
F	Turanose2+Maltulose1	39.714	1444.9	4.911	0.8	0.04	0.20		
G	Maltose+Maltulose2	39.926	4517.9	4.938	0.8	0.21	1.07		
	Maltose+Maltulose2	39.961	3177.9	4.942					
H	Kojibiose	40.268	884.1	4.980	1.43	0.02	0.12		
	Kojibiose	40.281	686.7	4.982					
I	Melibiose	40.85	612.2	5.052	0.44	0.03	0.16		
J	Gentiobiose	41.102	285.2	5.083	0.52	0.01	0.06		
K	Palatinose1	41.473	726.4	5.129	0.68	0.05	0.27		
	Palatinose2	41.773	943.7	5.166					
M	Raffinose	52.093	99.4	6.442	0.65	0.00	0.02		
N	Kestose	52.3	220.2	6.468	0.44	0.03	0.14		
	Kestose	52.32	346.8	6.470					
O	Erlose	53.078	2252.4	6.564	0.55	0.09	0.46		
P	Melezitose	53.624	127.7	6.632	0.56	0.01	0.05		
	Melezitose	53.645	129.4	6.634					
Q	Maltotriose	57.382	565.3	7.096	0.55	0.02	0.11		
R	Panose	59.924	192.1	7.411	0.55	0.01	0.04		
S	Isomaltotriose	61.014	13.9	7.546	0.56	0.00	0.00		
64#1	Wt(s) (mg)	15.24							
	Wt(Xyl) (mg)	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.085	1742.4						
Mono	Monosaccharides	13.93	404.6	1.723	0.97	11.00	72.18		
	Monosaccharides	15.591	185821.5	1.928					
A	Sucrose	35.124	335.3	4.344	0.76	0.03	0.17		
B	Trehalose	37.307	175.7	4.614	0.92	0.01	0.07		
C	Cellobiose	38.734	586.7	4.791	0.72	0.05	0.31		
D	Laminaribiose	39.338	873.5	4.866	0.8	0.06	0.41		
E	Nigerose+Turanose1	39.542	1253.2	4.891	0.8	0.09	0.59		
F	Turanose2+Maltulose1	39.794	659.4	4.922	0.8	0.05	0.31		
G	Maltose+Maltulose2	39.986	1434.1	4.946	0.8	0.10	0.67		

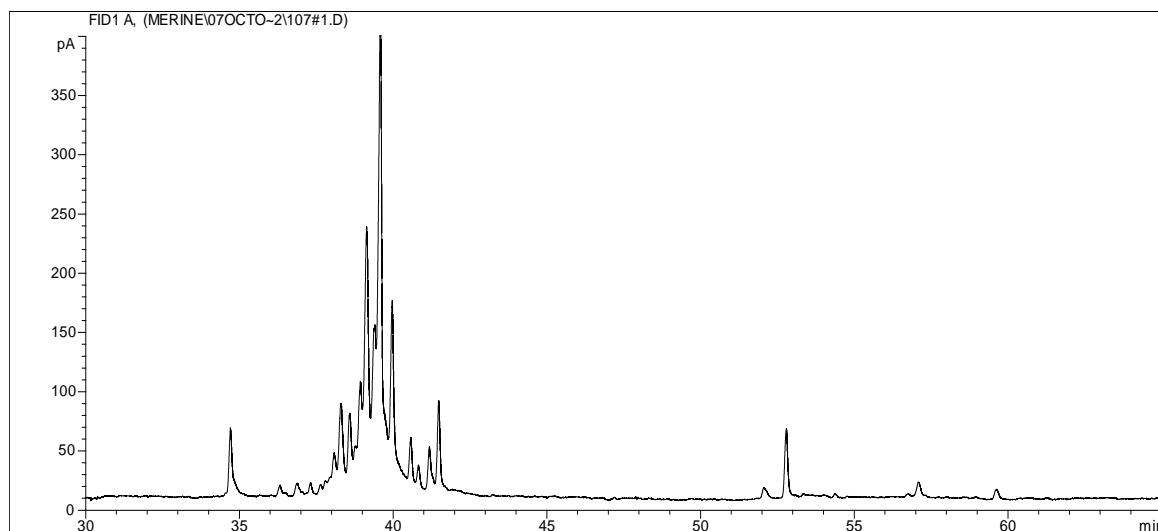
H	Kojibiose	40.381	755.1	4.995	1.43	0.03	0.20		
I	Melibiose	40.979	322.8	5.069	0.44	0.04	0.28		
J	Gentiobiose	41.237	274.9	5.100	0.52	0.03	0.20		
K	Palatinose1	41.604	332	5.146	0.68	0.06	0.42	989.4	
	Palatinose2	41.907	425.9	5.183				-231.5	
M	Raffinose	52.245	48.6	6.462	0.65	0.00	0.03		
N	1-kestose	52.465	302.4	6.489	0.44	0.04	0.26		
O	Erlose	53.181	86.5	6.578	0.55	0.01	0.06		
P	Melezitose	53.78	20.6	6.652	0.56	0.00	0.01		
Q	Maltotriose	57.533	47.9	7.116	0.55	0.00	0.03		
R	Panose	60.122	59.4	7.436	0.55	0.01	0.04		
64#2	Wt(s) (mg)	15.21							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.05	581.4						
Mono	Monosaccharides	14.238	2430.4	1.769	0.97	11.45	75.30		
	Monosaccharides	15.205	62239.3	1.889					
13	Sucrose	35.113	207.2	4.362	0.76	0.05	0.31		
17	Trehalose	37.289	140.2	4.632	0.92	0.03	0.17		
24	Cellobiose	38.662	253.4	4.803	0.72	0.02	0.16		
27	Laminaribiose	39.352	420.4	4.888	0.8	0.09	0.59		
28	Nigerose+Turanose1	39.525	825.7	4.910	0.8	0.21	1.37		
29	Nigerose+Turanose1	39.645	148	4.925					
30	Turanose2+Maltulose1	39.789	595.2	4.943	0.8	0.16	1.05		
31	Maltose+Maltulose2	39.961	698.8	4.964	0.8	0.15	0.99		
33	Kojibiose	40.369	374.3	5.015	1.43	0.04	0.30		
34	Melibiose	40.976	179.3	5.090	0.44	0.07	0.46		
35	Gentiobiose	41.233	166.6	5.122	0.52	0.06	0.36		
36	Palatinose1	41.613	184	5.169	0.68	0.10	0.63	548.4	
37	Palatinose2	41.903	196.8	5.205				-167.6	
42	Raffinose	52.232	20.6	6.488	0.65	0.01	0.04		
43	1-kestose	52.465	186.2	6.517	0.44	0.07	0.48		
46	Erlose	53.173	52.5	6.605	0.55	0.02	0.11		
48	Melezitose	53.765	4.5	6.679	0.56	0.00	0.01		
51	Maltotriose	57.528	26.9	7.146	0.55	0.01	0.06		
52	Panose	60.137	18.8	7.470	0.55	0.01	0.04		
64#3	Wt(s) (mg)	17.48							
	Wt(Xyl) (mg)	0.09995							
Peak	Sugar	Time	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.085	1588.9						
Mono	Monosaccharides	15.622	211966.5	1.932	0.97	13.75	78.64		

A	Sucrose	35.117	375.4	4.343	0.76	0.03	0.18		
B	Trehalose	37.296	145.3	4.613	0.92	0.01	0.06		
C	Cellobiose	38.727	631.8	4.790	0.72	0.06	0.32		
D	Laminaribiose	39.348	927.8	4.867	0.8	0.07	0.42		
E	Nigerose+Turanose1	39.553	1657.6	4.892	0.8	0.13	0.75		
F	Turanose2+Maltulose1	39.814	720.5	4.924	0.8	0.06	0.32		
G	Maltose+Maltulose2	39.982	1642.1	4.945	0.8	0.13	0.74		
H	Kojibiose	40.391	924.7	4.996	1.43	0.04	0.23		
I	Melibiose	40.991	378.7	5.070	0.44	0.05	0.31		
J	Gentiobiose	41.235	358.6	5.100	0.52	0.04	0.25		
K	Palatinose1	41.614	433.8	5.147	0.68	0.09	0.50	1292.8	
	Palatinose2	41.911	519.7	5.184				-339.3	
M	Raffinose	52.242	49.3	6.462	0.65	0.00	0.03		
N	1-kestose	52.461	338.1	6.489	0.44	0.05	0.28		
O	Erlose	53.174	131.8	6.577	0.55	0.02	0.09		
P	Melezitose	53.766	31.4	6.650	0.56	0.00	0.02		
Q	Maltotriose	57.55	44.5	7.118	0.55	0.01	0.03		
R	Panose	60.134	61.7	7.438	0.55	0.01	0.04		
S	Isomaltotriose	61.202	10.8	7.570	0.56	0.00	0.01		
76#1	Wt(s) (mg)	14.87							
	Wt(Xyl) (mg)	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.087	1884.6						
Mono	Monosaccharides	15.674	190072.9	1.938	0.97	10.38	69.80		
A	Sucrose	35.12	658.5	4.343	0.76	0.05	0.31		
B	Trehalose	37.283	192.5	4.610	0.92	0.01	0.07		
C	Cellobiose	38.702	851.2	4.786	0.72	0.06	0.42		
D	Laminaribiose	39.365	690.2	4.868	0.8	0.05	0.31		
E	Nigerose+Turanose1	39.581	2305.6	4.894	0.8	0.15	1.03		
F	Turanose2+Maltulose1	39.825	1202.1	4.925	0.8	0.08	0.54		
G	Maltose+Maltulose2	40.026	3363.1	4.949	0.8	0.22	1.50		
H	Kojibiose	40.398	1713.2	4.995	1.43	0.06	0.43		
I	Melibiose	40.989	656	5.069	0.44	0.08	0.53		
J	Gentiobiose	41.228	364.8	5.098	0.52	0.04	0.25		
K	Palatinose1	41.599	584.1	5.144	0.68	0.11	0.75	1740.7	
	Palatinose2	41.911	840.8	5.183				-315.8	
M	Raffinose	52.23	7.3	6.459	0.65	0.00	0.00		
N	1-kestose	52.463	142.3	6.487	0.44	0.02	0.12		
O	Erlose	53.181	865.8	6.576	0.55	0.08	0.56		
P	Melezitose	53.777	103.8	6.650	0.56	0.01	0.07		
Q	Maltotriose	57.562	175.3	7.118	0.55	0.02	0.11		

R	Panose	60.131	151.5	7.436	0.55	0.01	0.10	
S	Isomaltotriose	61.227	20.6	7.571	0.56	0.00	0.01	
76#2	Wt(s) (mg)	14.4						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	8.062	1389.8					
Mono	Monosaccharides	15.449	131520.8	1.916	0.97	9.74	67.67	
A	Sucrose	35.113	491.3	4.355	0.76	0.05	0.32	
B	Trehalose	37.289	202.4	4.625	0.92	0.02	0.11	
C	Cellobiose	38.699	608.9	4.800	0.72	0.06	0.42	
D	Laminaribiose	39.349	571.7	4.881	0.8	0.05	0.36	
E	Nigerose+Turanose1	39.559	2157	4.907	0.8	0.19	1.35	
F	Turanose2+Maltulose1	39.803	1121.1	4.937	0.8	0.10	0.70	
G	Maltose+Maltulose2	40.009	2448.3	4.963	0.8	0.22	1.53	
H	Kojibiose	40.383	1135.6	5.009	1.43	0.06	0.40	
I	Melibiose	40.982	421.6	5.083	0.44	0.07	0.48	
J	Gentiobiose	41.236	230.2	5.115	0.52	0.03	0.22	
K	Palatinose1	41.603	434.8	5.160	0.68	0.10	0.72	1295.8
	Palatinose2	41.904	541.4	5.198				-319.6
M	Raffinose	52.235	6.9	6.479	0.65	0.00	0.01	
N	1-kestose	52.472	98.4	6.509	0.44	0.02	0.11	
O	Erlose	53.192	631.9	6.598	0.55	0.08	0.57	
P	Melezitose	53.756	72.9	6.668	0.56	0.01	0.06	
Q	Maltotriose	57.56	132.7	7.140	0.55	0.02	0.12	
R	Panose	60.127	101.5	7.458	0.55	0.01	0.09	
S	Isomaltotriose	61.241	8.9	7.596	0.56	0.00	0.01	
77#1	Wt(s) (mg)	13.37						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	8.044	702.5					
Mono	Monosaccharides	15.197	57712.8	1.889	0.97	8.46	63.24	
A	Sucrose	35.107	338.5	4.364	0.76	0.06	0.47	
B	Trehalose	37.286	107.8	4.635	0.92	0.02	0.12	
C	Cellobiose	38.653	274.2	4.805	0.72	0.05	0.40	
D	Laminaribiose	39.352	375.3	4.892	0.8	0.07	0.50	
E	Nigerose+Turanose1	39.542	1376.3	4.916	0.8	0.24	1.83	
F	Turanose2+Maltulose1	39.801	906.5	4.948	0.8	0.16	1.20	
G	Maltose+Maltulose2	39.975	1408.4	4.970	0.8	0.25	1.87	
H	Kojibiose	40.38	485.6	5.020	1.43	0.05	0.36	
I	Melibiose	40.989	190.8	5.096	0.44	0.06	0.46	
J	Gentiobiose	41.191	120.1	5.121	0.52	0.03	0.25	

K	Palatinose1	41.596	145.8	5.171	0.68	0.07	0.51	434.5	
	Palatinose2	41.902	178.7	5.209				-110.0	
M	Raffinose	52.247	7.9	6.495	0.65	0.00	0.01		
N	1-kestose	52.459	59.1	6.522	0.44	0.02	0.14		
O	Erlose	53.179	345	6.611	0.55	0.09	0.67		
P	Melezitose	53.768	38.3	6.684	0.56	0.01	0.07		
Q	Maltotriose	57.56	65.7	7.156	0.55	0.02	0.13		
R	Panose	60.131	26.4	7.475	0.55	0.01	0.05		
77#2	Wt(s) (mg)	15.09							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.101	1883.8						
Mono	Monosaccharides	15.904	323484.6	1.963	0.97	17.68	117.18		
A	Sucrose	35.143	1168.6	4.338	0.76	0.08	0.54		
B	Trehalose	37.299	221.4	4.604	0.92	0.01	0.08		
C	Cellobiose	38.729	923	4.781	0.72	0.07	0.45		
D	Laminaribiose	39.384	1036.5	4.862	0.8	0.07	0.46		
E	Nigerose+Turanose1	39.614	3321	4.890	0.8	0.22	1.46		
F	Turanose2+Maltulose1	39.859	1408.7	4.920	0.8	0.09	0.62		
G	Maltose+Maltulose2	40.098	5488.1	4.950	0.8	0.36	2.41		
H	Kojibiose	40.435	1695.6	4.991	1.43	0.06	0.42		
I	Melibiose	41.023	757.7	5.064	0.44	0.09	0.61		
J	Gentiobiose	41.25	419.5	5.092	0.52	0.04	0.28		
K	Palatinose1	41.629	854.9	5.139	0.68	0.15	0.98	2547.8	
	Palatinose2	41.939	1046.4	5.177				-646.5	
M	Raffinose	52.241	31.4	6.449	0.65	0.00	0.02		
N	1-kestose	52.462	233.1	6.476	0.44	0.03	0.19		
O	Erlose	53.214	1216.2	6.569	0.55	0.12	0.78		
P	Melezitose	53.771	71	6.638	0.56	0.01	0.04		
Q	Maltotriose	57.57	302.1	7.107	0.55	0.03	0.19		
R	Panose	60.131	180.6	7.423	0.55	0.02	0.12		
S	Isomaltotriose	61.243	13.7	7.560	0.56	0.00	0.01		
77#3	Wt(s) (mg)	14.35							
	Wt(Xyl) (mg)	0.09995							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.065	1296.4						
Mono	Monosaccharides	15.454	135441.8	1.916	0.97	10.77	75.02		
A	Sucrose	35.114	520.7	4.354	0.76	0.05	0.37		
B	Trehalose	37.289	155	4.624	0.92	0.01	0.09		
C	Cellobiose	38.684	385.4	4.797	0.72	0.04	0.29		
D	Laminaribiose	39.338	479.7	4.878	0.8	0.05	0.32		

E	Nigerose+Turanose1	39.555	1488.5	4.905	0.8	0.14	1.00	
F	Turanose2+Maltulose1	39.798	840.4	4.935	0.8	0.08	0.56	
G	Maltose+Maltulose2	39.997	2240.2	4.959	0.8	0.22	1.50	
H	Kojibiose	40.383	775.1	5.007	1.43	0.04	0.29	
I	Melibiose	40.988	374.7	5.082	0.44	0.07	0.46	
J	Gentiobiose	41.233	235.3	5.113	0.52	0.03	0.24	
K	Palatinose1	41.606	328.2	5.159	0.68	0.08	0.56	978.1
	Palatinose2	41.903	380.1	5.196				-269.8
M	Raffinose	52.24	12.1	6.477	0.65	0.00	0.01	
N	1-kestose	52.464	88.7	6.505	0.44	0.02	0.11	
O	Erlose	53.189	508.2	6.595	0.55	0.07	0.50	
P	Melezitose	53.756	39.9	6.665	0.56	0.01	0.04	
Q	Maltotriose	57.547	105.2	7.135	0.55	0.01	0.10	
R	Panose	60.113	74.6	7.454	0.55	0.01	0.07	



107#1	Wt(s) (mg)	16.33					
	Wt(Xyl) (mg)	0.09983					
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)
IS	Xylitol	7.981	1790.6				
Mono	Monosaccharides	15.505	213294.3	1.943	0.97	12.26	75.07
A	Sucrose	34.705	431.7	4.348	0.76	0.03	0.19
B	Trehalose	36.868	107.9	4.619	0.92	0.01	0.04
C	Cellobiose	38.3	806.9	4.799	0.72	0.06	0.38
D	Laminaribiose	38.932	420.5	4.878	0.8	0.03	0.18
E	Nigerose+Turanose1	39.135	1228	4.904	0.8	0.14	0.88
	Nigerose+Turanose1	39.153	840.1	4.906			
F	Turanose2+Maltulose1	39.41	1160.4	4.938	0.8	0.08	0.50
G	Maltose+Maltulose2	39.575	1861.7	4.959	0.8	0.23	1.38

	Maltose+Maltulose2	39.591	1369	4.961				
H	Kojibiose	39.97	1236.7	5.008	1.43	0.05	0.30	
I	Melibiose	40.572	313.1	5.084	0.44	0.04	0.24	
J	Gentiobiose	40.82	130.8	5.115	0.52	0.01	0.09	
K	Palatinose1	41.179	219.4	5.160	0.68	0.05	0.33	653.9
	Palatinose2	41.484	434.2	5.198				-0.3
N	1-kestose	52.055	71.9	6.522	0.44	0.01	0.06	
O	Erlose	52.793	449.7	6.615	0.55	0.05	0.28	
Q	Maltotriose	57.079	128.9	7.152	0.55	0.01	0.08	
R	Panose	59.624	84.9	7.471	0.55	0.01	0.05	
107#2	Wt(s) (mg)	16.84						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.971	1590.3					
Mono	Monosaccharides	15.426	196312.9	1.935	0.97	12.71	75.48	
A	Sucrose	34.711	418.6	4.355	0.76	0.03	0.21	
B	Trehalose	36.869	97.4	4.625	0.92	0.01	0.04	
C	Cellobiose	38.296	767.1	4.804	0.72	0.07	0.40	
D	Laminaribiose	38.937	923.1	4.885	0.8	0.07	0.43	
E	Nigerose+Turanose1	39.132	2192.7	4.909	0.8	0.17	1.02	
F	Turanose2+Maltulose1	39.393	1269.2	4.942	0.8	0.10	0.59	
G	Maltose+Maltulose2	39.577	3017	4.965	0.8	0.24	1.41	
H	Kojibiose	39.962	1382	5.013	1.43	0.06	0.36	
I	Melibiose	40.576	445.9	5.090	0.44	0.06	0.38	
J	Gentiobiose	40.823	253.8	5.121	0.52	0.03	0.18	
K	Palatinose1	41.179	371.6	5.166	0.68	0.08	0.50	1107.4
	Palatinose2	41.484	533.4	5.204				-202.4
N	1-kestose	52.05	50.6	6.530	0.44	0.01	0.04	
O	Erlose	52.78	421.6	6.622	0.55	0.05	0.29	
P	Melezitose	53.36	31.4	6.694	0.56	0.00	0.02	
Q	Maltotriose	57.081	112.8	7.161	0.55	0.01	0.08	
R	Panose	59.64	97.2	7.482	0.55	0.01	0.07	
107#3	Wt(s) (mg)	16.09						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.948	1165.3					
Mono	Monosaccharides	15.297	165722.4	1.925	0.97	14.65	91.07	
A	Sucrose	34.695	310.6	4.365	0.76	0.04	0.22	
B	Trehalose	36.861	138.2	4.638	0.92	0.01	0.08	
C	Cellobiose	38.291	637.5	4.818	0.72	0.08	0.47	
D	Laminaribiose	38.989	945.6	4.906	0.8	0.10	0.63	

E	Nigerose+Turanose1	39.123	2459.2	4.922	0.8	0.26	1.64		
F	Turanose2+Maltulose1	39.406	1510.1	4.958	0.8	0.16	1.01		
G	Maltose+Maltulose2	39.58	2766	4.980	0.8	0.30	1.84		
H	Kojibiose	39.972	1136.7	5.029	1.43	0.07	0.42		
I	Melibiose	40.579	340.1	5.106	0.44	0.07	0.41		
J	Gentiobiose	40.82	173	5.136	0.52	0.03	0.18		
K	Palatinose1	41.179	278.2	5.181	0.68	0.08	0.52	829.1	
	Palatinose2	41.479	387.9	5.219				-163.0	
N	1-kestose	52.05	46.3	6.549	0.44	0.01	0.06		
O	Erlose	52.778	362.7	6.640	0.55	0.06	0.35		
P	Melezitose	53.358	43.4	6.713	0.56	0.01	0.04		
Q	Maltotriose	57.077	102.3	7.181	0.55	0.02	0.10		
R	Panose	59.611	81.4	7.500	0.55	0.01	0.08		
115#1	Wt(s) (mg)	13.33							
	Wt(Xyl) (mg)	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.048	3933.6						
Mono	Monosaccharides	15.758	280048.1	1.958	0.97	7.33	54.97		
A	Sucrose	34.975	569.5	4.346	0.76	0.02	0.14		
B	Trehalose	37.014	690.3	4.599	0.92	0.02	0.14		
C	Cellobiose	38.572	239.9	4.793	0.72	0.01	0.06		
D	Laminaribiose	39.222	612.6	4.874	0.8	0.02	0.15		
E	Nigerose+Turanose1	39.43	3382.4	4.899	0.8	0.11	0.80		
F	Turanose2+Maltulose1	39.671	2620.3	4.929	0.8	0.08	0.62		
G	Maltose+Maltulose2	39.865	2007.2	4.953	0.8	0.06	0.48		
H	Kojibiose	40.284	966.1	5.005	1.43	0.02	0.13		
I	Melibiose	40.892	392.8	5.081	0.44	0.02	0.17		
J	Gentiobiose	41.089	69.1	5.105	0.52	0.00	0.03		
K	Palatinose1	41.47	135.5	5.153	0.68	0.02	0.12	403.8	
	Palatinose2	41.778	301.4	5.191				33.1	
M	Raffinose	49.401	7.4	6.138	0.65	0.00	0.00		
N	1-kestose	49.653	26.4	6.170	0.44	0.00	0.01		
O	Erlose	50.418	1141.1	6.265	0.55	0.05	0.40		
P	Melezitose	53.034	495.8	6.590	0.56	0.02	0.17		
Q	Maltotriose	57.357	214.9	7.127	0.55	0.01	0.07		
R	Panose	59.931	17.4	7.447	0.55	0.00	0.01		
115#2	Wt(s) (mg)	16.26							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.013	1594.9						
Mono	Monosaccharides	15.223	100327.5	1.900	0.97	6.48	39.84		

A	Sucrose	34.993	933.3	4.367	0.76	0.08	0.47		
B	Trehalose	37.518	750.7	4.682	0.92	0.05	0.31		
C	Cellobiose	38.54	718.8	4.810	0.72	0.06	0.38		
D	Laminaribiose	39.27	823.2	4.901	0.8	0.06	0.40		
E	Nigerose+Turanose1	39.408	1570.8	4.918	0.8	0.12	0.76		
F	Turanose2+Maltulose1	39.437	1879.2	4.922	0.8	0.15	0.90		
G	Maltose+Maltulose2	39.668	2312.5	4.950	0.8	0.18	1.11		
H	Kojibiose	40.261	563.3	5.024	1.43	0.02	0.15		
I	Melibiose	40.891	245	5.103	0.44	0.03	0.21		
K	Palatinose1	41.506	238.2	5.180	0.68	0.05	0.29	709.9	
	Palatinose2	41.792	281	5.216				-190.7	
M	Raffinose	52.101	38.9	6.502	0.65	0.00	0.02		
N	1-kestose	52.321	164.7	6.530	0.44	0.02	0.14		
O	Erlose	53.084	2027.7	6.625	0.55	0.23	1.42		
P	Melezitose	53.618	131.3	6.691	0.56	0.01	0.09		
Q	Maltotriose	57.391	176	7.162	0.55	0.02	0.12		
R	Panose	59.922	24.6	7.478	0.55	0.00	0.02		
115#3	Wt(s) (mg)	14.47							
	Wt(Xyl)(mg)	0.09995							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	8.047	3318.1						
Mono	Monosaccharides	15.801	313959.7	1.964	0.97	9.75	67.38		
A	Sucrose	34.983	1065.7	4.347	0.76	0.04	0.29		
B	Trehalose	37.313	90.2	4.637	0.92	0.00	0.02		
C	Cellobiose	38.537	388.2	4.789	0.72	0.02	0.11		
D	Laminaribiose	39.198	604.1	4.871	0.8	0.02	0.16		
E	Nigerose+Turanose1	39.429	2753.6	4.900	0.8	0.10	0.72		
F	Turanose2+Maltulose1	39.679	1542.1	4.931	0.8	0.06	0.40		
G	Maltose+Maltulose2	39.887	4029.8	4.957	0.8	0.15	1.05		
H	Kojibiose	40.231	1030.6	5.000	1.43	0.02	0.15		
I	Melibiose	40.849	461.2	5.076	0.44	0.03	0.22		
J	Gentiobiose	41.072	93	5.104	0.52	0.01	0.04		
K	Palatinose1	41.446	424.7	5.150	0.68	0.04	0.29	1265.7	
	Palatinose2	41.752	513.2	5.189				-327.8	
M	Raffinose	52.078	34	6.472	0.65	0.00	0.01		
N	1-kestose	52.309	202.1	6.500	0.44	0.01	0.10		
O	Erlose	53.09	2689.1	6.597	0.55	0.15	1.02		
P	Melezitose	56.63	29.2	7.037	0.56	0.00	0.01		
Q	Maltotriose	57.392	256.1	7.132	0.55	0.01	0.10		
R	Panose	59.923	128.4	7.447	0.55	0.01	0.05		
S	Isomaltotriose	61.045	3.8	7.586	0.56	0.00	0.00		

Honey results for China (adulterated)

20#1	Wt(s) (mg)	12.00						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.914	2413.8					
Mono	Monosaccharides	15.277	141818.1	1.930	0.97	6.05	50.39	
A	Sucrose	35.383	50373.4	4.471	0.76	2.74	22.84	
B	Trehalose	37.105	502.8	4.689	0.92	0.02	0.19	
C	Cellobiose	38.507	489.2	4.866	0.72	0.03	0.23	
D	Laminaribiose	38.955	212.9	4.922	0.8	0.01	0.09	
E	Nigerose+Turanose1	39.103	464.4	4.941	0.8	0.02	0.20	
F	Turanose2+Maltulose1	39.289	383.9	4.964	0.8	0.02	0.17	
G	Maltose+Maltulose2	39.715	812.6	5.018	0.8	0.04	0.35	
H	Kojibiose	40.133	354.9	5.071	1.43	0.01	0.09	
I	Melibiose	40.755	233.9	5.150	0.44	0.02	0.18	
J	Gentiobiose	41.008	241.8	5.182	0.52	0.02	0.16	
K	Palatinose1	41.368	108.2	5.227	0.68	0.02	0.14	322.46
	Palatinose2	41.672	167.9	5.266				-46.36
M	Raffinose	52.034	174.2	6.575	0.65	0.01	0.09	
N	Kestose	52.254	96.7	6.603	0.44	0.01	0.08	
O	Erlose	52.961	204.1	6.692	0.55	0.02	0.13	
P	Melezitose	53.793	14	6.797	0.56	0.00	0.01	
Q	Maltotriose	57.314	13.4	7.242	0.55	0.00	0.01	
R	Panose	59.861	7.4	7.564	0.55	0.00	0.00	
20#2	Wt(s) (mg)	17.44						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.914	1933.1					
Mono	Monosaccharides	15.349	167613.6	1.939	0.97	8.93	51.19	
A	Sucrose	35.415	58540.9	4.475	0.76	3.98	22.82	
B	Trehalose	37.098	570.3	4.688	0.92	0.03	0.18	
C	Cellobiose	38.521	633	4.867	0.72	0.05	0.26	
D	Laminaribiose	38.954	249.1	4.922	0.8	0.02	0.09	
E	Nigerose+Turanose1	39.104	577.5	4.941	0.8	0.04	0.21	
F	Turanose2+Maltulose1	39.307	499	4.967	0.8	0.03	0.18	
G	Maltose+Maltulose2	39.731	1046.6	5.020	0.8	0.07	0.39	
H	Kojibiose	40.132	443.2	5.071	1.43	0.02	0.09	
I	Melibiose	40.744	303.2	5.148	0.44	0.04	0.20	
J	Gentiobiose	41.007	278.4	5.182	0.52	0.03	0.16	

K	Palatinose1	41.372	148.4	5.228	0.68	0.03	0.16	442.26	
	Palatinose2	41.667	221.8	5.265				-72.06	
M	Raffinose	52.036	220.1	6.575	0.65	0.02	0.10		
N	Kestose	52.24	133.5	6.601	0.44	0.02	0.09		
O	Erlose	52.969	299.6	6.693	0.55	0.03	0.16		
P	Melezitose	53.807	28.9	6.799	0.56	0.00	0.02		
Q	Maltotriose	57.315	20.5	7.242	0.55	0.00	0.01		
R	Panose	59.847	9.9	7.562	0.55	0.00	0.01		
20#3	Wt(s) (mg)	13.56							
	Wt(Xyl) (mg)	0.09995							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.922	2336.5						
Mono	Monosaccharides	15.288	149078.9	1.930	0.97	6.57	48.48		
A	Sucrose	35.409	56078.7	4.470	0.76	3.16	23.28		
B	Trehalose	37.085	593.6	4.681	0.92	0.03	0.20		
C	Cellobiose	38.501	520.8	4.860	0.72	0.03	0.23		
D	Laminaribiose	38.964	222.5	4.918	0.8	0.01	0.09		
E	Nigerose+Turanose1	39.108	519.1	4.937	0.8	0.03	0.20		
F	Turanose2+Maltulose1	39.293	476	4.960	0.8	0.03	0.19		
G	Maltose+Maltulose2	39.726	888.6	5.015	0.8	0.05	0.35		
H	Kojibiose	40.14	392.7	5.067	1.43	0.01	0.09		
I	Melibiose	40.746	223.5	5.143	0.44	0.02	0.16		
J	Gentiobiose	40.999	240.7	5.175	0.52	0.02	0.15		
K	Palatinose1	41.37	118	5.222	0.68	0.02	0.13	351.66	
	Palatinose2	41.665	171.9	5.259				-61.76	
M	Raffinose	52.038	207.7	6.569	0.65	0.01	0.10		
N	Kestose	52.238	124	6.594	0.44	0.01	0.09		
O	Erlose	52.961	297.2	6.685	0.55	0.02	0.17		
P	Melezitose	53.636	47	6.771	0.56	0.00	0.03		
Q	Maltotriose	57.296	19.6	7.233	0.55	0.00	0.01		
R	Panose	59.85	10.4	7.555	0.55	0.00	0.01		
21#1	Wt(s) (mg)	16.25							
	Wt(Xyl) (mg)	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.913	2168.1						
Mono	Monosaccharides	15.23	136366.7	1.925	0.97	6.47	39.84		
A	Sucrose	35.509	80694.3	4.487	0.76	4.89	30.09		
B	Trehalose	37.093	432	4.688	0.92	0.02	0.13		
C	Cellobiose	38.52	565.2	4.868	0.72	0.04	0.22		
D	Laminaribiose	39.121	505.2	4.944	0.8	0.03	0.18		
E	Nigerose+Turanose1	39.32	686.5	4.969	0.8	0.04	0.24		

F	Turanose2+Maltulose1	39.56	393.5	4.999	0.8	0.02	0.14	534.65 -215.65
G	Maltose+Maltulose2	39.74	1008.7	5.022	0.8	0.06	0.36	
H	Kojibiose	40.158	355.9	5.075	1.43	0.01	0.07	
I	Melibiose	40.763	170.7	5.151	0.44	0.02	0.11	
J	Gentiobiose	41.027	168.8	5.185	0.52	0.01	0.09	
K	Palatinose1	41.399	179.4	5.232	0.68	0.02	0.13	
	Palatinose2	41.683	139.6	5.268				
M	Raffinose	52.033	310.4	6.576	0.65	0.02	0.14	
N	Kestose	52.256	189.3	6.604	0.44	0.02	0.12	
O	Erlose	53.208	1397.7	6.724	0.55	0.12	0.72	
P	Melezitose	53.791	80.3	6.798	0.56	0.01	0.04	
Q	Maltotriose	57.279	24.5	7.239	0.55	0.00	0.01	
R	Panose	59.837	7.1	7.562	0.55	0.00	0.00	
21#2	Wt(s) (mg)	15.14						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	664.29 -294.09
IS	Xylitol	7.913	2028.8					
Mono	Monosaccharides	15.202	139669.5	1.921	0.97	7.09	46.82	
A	Sucrose	35.437	62826.1	4.478	0.76	4.07	26.88	
B	Trehalose	37.045	726.3	4.682	0.92	0.04	0.26	
C	Cellobiose	38.775	533.8	4.900	0.72	0.04	0.24	
D	Laminaribiose	39.119	662.3	4.944	0.8	0.04	0.27	
E	Nigerose+Turanose1	39.301	855.4	4.967	0.8	0.05	0.35	
F	Turanose2+Maltulose1	39.555	606.6	4.999	0.8	0.04	0.25	
G	Maltose+Maltulose2	39.742	1066.7	5.022	0.8	0.07	0.43	
H	Kojibiose	40.155	398.2	5.075	1.43	0.01	0.09	
I	Melibiose	40.761	255.5	5.151	0.44	0.03	0.19	
J	Gentiobiose	41.008	307.1	5.182	0.52	0.03	0.19	
K	Palatinose1	41.388	222.9	5.230	0.68	0.03	0.18	
	Palatinose2	41.674	147.3	5.267				
M	Raffinose	52.023	228.8	6.574	0.65	0.02	0.11	
N	Kestose	52.246	133.2	6.603	0.44	0.01	0.10	
O	Erlose	53.2	959	6.723	0.55	0.09	0.57	
P	Melezitose	53.807	36.8	6.800	0.56	0.00	0.02	
Q	Maltotriose	57.298	24.6	7.241	0.55	0.00	0.01	
R	Panose	59.829	7.3	7.561	0.55	0.00	0.00	
21#3	Wt(s) (mg)	16.77						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.912	1766.8					
A	Sucrose	15.131	108432.5	1.912	0.97	6.32	37.71	

8	Sucrose	35.491	74849.5	4.486	0.76	5.57	33.22	
10	Trehalose	37.115	863.6	4.691	0.92	0.05	0.32	
12	Cellobiose	38.502	771.5	4.866	0.72	0.06	0.36	
15	Laminaribiose	39.117	758.4	4.944	0.8	0.05	0.32	
16	Nigerose+Turanose1	39.315	788.7	4.969	0.8	0.06	0.33	
18	Turanose2+Maltulose1	39.558	542.6	5.000	0.8	0.04	0.23	
19	Maltose+Maltulose2	39.732	1011.8	5.022	0.8	0.07	0.43	
21	Kojibiose	40.173	332.5	5.077	1.43	0.01	0.08	
22	Melibiose	40.76	270.4	5.152	0.44	0.03	0.21	
23	Gentiobiose	41.025	295.1	5.185	0.52	0.03	0.19	
24	Palatinose1	41.383	265.7	5.230	0.68	0.04	0.26	791.84
25	Palatinose2	41.673	257.2	5.267				-268.94
31	Raffinose	52.031	274	6.576	0.65	0.02	0.14	
32	Kestose	52.239	156.1	6.603	0.44	0.02	0.12	
36	Erlose	53.225	1758.2	6.727	0.55	0.18	1.08	
38	Melezitose	53.806	58.5	6.801	0.56	0.01	0.04	
42	Maltotriose	57.285	16.4	7.240	0.55	0.00	0.01	
43	Panose	59.816	4.2	7.560	0.55	0.00	0.00	
78#1	Wt(s) (mg)	23.1						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	8.051	4385.7					
Mono	Monosaccharides	10.714	1295.8	1.331	0.97	0.03	0.13	
A	Sucrose	14.858	16262.3	1.845	0.76	0.49	2.11	
E	Nigerose+Turanose1	39.489	1293.8	4.905	0.8	0.04	0.16	
F	Turanose2+Maltulose1	39.707	1327.3	4.932	0.8	0.04	0.16	
G	Maltose+Maltulose2	39.892	3453.9	4.955	0.8	0.10	0.43	
K	Palatinose1	41.42	1219.5	5.145	0.68	0.09	0.41	3634.35
	Palatinose2	41.771	1593.6	5.188				-821.25
M	Raffinose	52.069	26.8	6.467	0.65	0.00	0.00	
N	Kestose	52.296	28.2	6.496	0.44	0.00	0.01	
O	Erlose	53.24	165.2	6.613	0.55	0.01	0.03	
P	Melezitose	53.855	31.3	6.689	0.56	0.00	0.01	
Q	Maltotriose	57.357	101.9	7.124	0.55	0.00	0.02	
R	Panose	59.909	163.1	7.441	0.55	0.01	0.03	
S	Isomaltotriose	61.011	14.6	7.578	0.56	0.00	0.00	
78#3	Wt(s) (mg)	24.12						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.992	3308.9					
Mono	Monosaccharides	14.75	8255.5	1.846	0.97	0.26	1.07	

A	Sucrose	35.942	186779.9	4.497	0.76	7.42	30.78	
G	Maltose+Maltulose2	39.807	1359.4	4.981	0.8	0.05	0.21	
K	Palatinose1	41.39	434.9	5.179	0.68	0.04	0.15	1296.09
	Palatinose2	41.733	397.9	5.222				-463.29
M	Raffinose	52.078	14	6.516	0.65	0.00	0.00	
N	Kestose	52.299	27.1	6.544	0.44	0.00	0.01	
O	Erlose	53.228	77.9	6.660	0.55	0.00	0.02	
P	Melezitose	53.84	18.4	6.737	0.56	0.00	0.00	
Q	Maltotriose	57.355	57.5	7.177	0.55	0.00	0.01	
R	Panose	59.89	85.1	7.494	0.55	0.00	0.02	
S	Isomaltotriose	61.011	7.6	7.634	0.56	0.00	0.00	
84#2	Wt(s) (mg)	19.34						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.959	1110.8					
Mono	Monosaccharides	15.043	75148.3	1.890	0.97	6.97	36.02	
A	Sucrose	35.228	54168.8	4.426	0.76	6.41	33.14	
C	Cellobiose	38.286	397.7	4.810	0.72	0.05	0.26	
D	Laminaribiose	38.93	237.2	4.891	0.8	0.03	0.14	
E	Nigerose+Turanose1	39.143	1429.3	4.918	0.8	0.16	0.83	
F	Turanose2+Maltulose1	39.38	775.2	4.948	0.8	0.09	0.45	
G	Maltose+Maltulose2	39.559	1326.5	4.970	0.8	0.15	0.77	
H	Kojibiose	39.951	821.1	5.020	1.43	0.05	0.27	
I	Melibiose	40.571	391	5.097	0.44	0.08	0.41	
J	Gentiobiose	40.817	180.8	5.128	0.52	0.03	0.16	
K	Palatinose1	41.186	248.8	5.175	0.68	0.09	0.48	741.47
	Palatinose2	41.481	451	5.212				-41.67
M	Raffinose	51.828	153.7	6.512	0.65	0.02	0.11	
N	Kestose	52.038	90.7	6.538	0.44	0.02	0.10	
O	Erlose	52.767	355	6.630	0.55	0.06	0.30	
P	Melezitose	53.447	63.3	6.715	0.56	0.01	0.05	
Q	Maltotriose	57.063	68.1	7.170	0.55	0.01	0.06	
R	Panose	59.617	94	7.491	0.55	0.02	0.08	
84#3	Wt(s) (mg)	15.22						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
A	Xylitol	7.974	1653.4					
Mono	Monosaccharides	15.149	91886.2	1.900	0.97	5.73	37.62	
A	Sucrose	35.229	63398.1	4.418	0.76	5.04	33.13	
C	Cellobiose	38.282	631.5	4.801	0.72	0.05	0.35	
D	Laminaribiose	38.929	351.2	4.882	0.8	0.03	0.17	

E	Nigerose+Turanose1	39.129	1379.9	4.907	0.8	0.10	0.69	1478.77 -184.77
F	Turanose2+Maltulose1	39.379	867.9	4.938	0.8	0.07	0.43	
G	Maltose+Maltulose2	39.55	1560.3	4.960	0.8	0.12	0.77	
H	Kojibiose	39.957	1292.2	5.011	1.43	0.05	0.36	
I	Melibiose	40.571	653.4	5.088	0.44	0.09	0.59	
J	Gentiobiose	40.828	446.2	5.120	0.52	0.05	0.34	
K	Palatinose1	41.181	496.2	5.164	0.68	0.12	0.76	
	Palatinose2	41.482	797.8	5.202				
M	Raffinose	51.864	138	6.504	0.65	0.01	0.08	
N	Kestose	52.066	79.4	6.529	0.44	0.01	0.07	
O	Erlose	52.79	298.6	6.620	0.55	0.03	0.22	
P	Melezitose	53.337	51.5	6.689	0.56	0.01	0.04	
Q	Maltotriose	57.101	114.8	7.161	0.55	0.01	0.08	
R	Panose	59.644	133.1	7.480	0.55	0.01	0.10	
98#1	Wt(s) (mg)	16.92						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	4624.67 -1427.87
IS	Xylitol	8.053	3009.5					
Mono	Monosaccharides	15.349	132815.6	1.906	0.97	4.54	26.84	
A	Sucrose	35.753	112152.7	4.440	0.76	4.90	28.93	
B	Trehalose	37.695	1069.6	4.681	0.92	0.04	0.23	
C	Cellobiose	38.59	1786.8	4.792	0.72	0.08	0.49	
D	Laminaribiose	39.254	842.3	4.874	0.8	0.03	0.21	
E	Nigerose+Turanose1	39.487	3433.3	4.903	0.8	0.14	0.84	
F	Turanose2+Maltulose1	39.736	1951.8	4.934	0.8	0.08	0.48	
G	Maltose+Maltulose2	39.922	3039.2	4.957	0.8	0.13	0.74	
H	Kojibiose	40.293	2141.1	5.003	1.43	0.05	0.29	
I	Melibiose	40.898	1338.5	5.079	0.44	0.10	0.60	
J	Gentiobiose	41.14	949.6	5.109	0.52	0.06	0.36	
K	Palatinose1	41.509	1551.8	5.154	0.68	0.16	0.92	
	Palatinose2	41.821	1645	5.193				
M	Raffinose	52.136	245.9	6.474	0.65	0.01	0.07	
N	Kestose	52.351	144.4	6.501	0.44	0.01	0.06	
O	Erlose	53.068	777.7	6.590	0.55	0.05	0.28	
P	Melezitose	53.727	254.3	6.672	0.56	0.02	0.09	
Q	Maltotriose	57.411	210.6	7.129	0.55	0.01	0.08	
R	Panose	59.981	241.7	7.448	0.55	0.01	0.09	
S	Isomaltotriose	61.086	47.8	7.585	0.56	0.00	0.02	
98#2	Wt(s) (mg)	14.4						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	

IS	Xylitol	8.061	3779.6					
Mono	Monosaccharides	15.436	163594.7	1.915	0.97	4.46	30.95	
A	Sucrose	35.831	132668	4.445	0.76	4.61	32.03	
B	Trehalose	37.717	787.5	4.679	0.92	0.02	0.16	
C	Cellobiose	38.613	1799.5	4.790	0.72	0.07	0.46	
D	Laminaribiose	39.38	948.7	4.885	0.8	0.03	0.22	
E	Nigerose+Turanose1	39.512	3630.2	4.902	0.8	0.12	0.83	
F	Turanose2+Maltulose1	39.756	2084.3	4.932	0.8	0.07	0.48	
G	Maltose+Maltulose2	39.943	3326.5	4.955	0.8	0.11	0.76	
H	Kojibiose	40.324	2161.7	5.002	1.43	0.04	0.28	
I	Melibiose	40.902	1351.6	5.074	0.44	0.08	0.56	
J	Gentiobiose	41.142	864.1	5.104	0.52	0.04	0.30	
K	Palatinose1	41.513	1709.9	5.150	0.68	0.14	0.95	5095.84
	Palatinose2	41.84	1822.1	5.190				-1563.84
M	Raffinose	52.137	226.1	6.468	0.65	0.01	0.06	
N	Kestose	52.352	147	6.494	0.44	0.01	0.06	
O	Erlose	53.091	1152.9	6.586	0.55	0.06	0.38	
P	Melezitose	53.728	258.2	6.665	0.56	0.01	0.08	
Q	Maltotriose	57.397	184.5	7.120	0.55	0.01	0.06	
R	Panose	59.986	292.6	7.442	0.55	0.01	0.10	
S	Isomaltotriose	61.082	50.4	7.577	0.56	0.00	0.02	
98#3	Wt(s) (mg)	16.09						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	8.055	4614.8					
Mono	Monosaccharides	15.441	154308.4	1.917	0.97	3.45	21.41	
A	Sucrose	35.746	105978.3	4.438	0.76	3.02	18.77	
B	Trehalose	37.679	835.7	4.678	0.92	0.02	0.12	
C	Cellobiose	38.595	1474.7	4.791	0.72	0.04	0.28	
D	Laminaribiose	39.25	727.3	4.873	0.8	0.02	0.12	
E	Nigerose+Turanose1	39.494	3055.8	4.903	0.8	0.08	0.51	
F	Turanose2+Maltulose1	39.725	1777.9	4.932	0.8	0.05	0.30	
G	Maltose+Maltulose2	39.922	3230.8	4.956	0.8	0.09	0.54	
H	Kojibiose	40.304	2180.4	5.004	1.43	0.03	0.21	
I	Melibiose	40.886	1194	5.076	0.44	0.06	0.37	
J	Gentiobiose	41.138	761.6	5.107	0.52	0.03	0.20	
K	Palatinose1	41.505	1536.7	5.153	0.68	0.11	0.67	4579.67
	Palatinose2	41.829	1823.4	5.193				-1219.57
M	Raffinose	52.122	211.4	6.471	0.65	0.01	0.04	
N	Kestose	52.335	121.6	6.497	0.44	0.01	0.04	
O	Erlose	53.066	604.7	6.588	0.55	0.02	0.15	

P	Melezitose	53.649	38.5	6.660	0.56	0.00	0.01	
Q	Maltotriose	57.394	176.3	7.125	0.55	0.01	0.04	
R	Panose	59.967	314.6	7.445	0.55	0.01	0.08	
S	Isomaltotriose	61.057	46.1	7.580	0.56	0.00	0.01	
99#2	Wt(s) (mg)	14.75						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.998	1729.5					
Mono	Monosaccharides	15.202	85244.8	1.901	0.97	5.08	34.41	
A	Sucrose	35.623	81356.6	4.454	0.76	6.18	41.91	
C	Cellobiose	38.563	1178.7	4.822	0.72	0.09	0.64	
D	Laminaribiose	39.232	564.2	4.905	0.8	0.04	0.28	
E	Nigerose+Turanose1	39.46	2274.3	4.934	0.8	0.16	1.11	
F	Turanose2+Maltulose1	39.696	1112.4	4.963	0.8	0.08	0.54	
G	Maltose+Maltulose2	39.881	1934.8	4.986	0.8	0.14	0.95	
H	Kojibiose	40.268	1191.3	5.035	1.43	0.05	0.33	
I	Melibiose	40.862	786.3	5.109	0.44	0.10	0.70	
J	Gentiobiose	41.118	503.1	5.141	0.52	0.06	0.38	
K	Palatinose1	41.491	823.4	5.188	0.68	0.15	1.02	2453.90
	Palatinose2	41.795	940.7	5.226				-689.80
M	Raffinose	52.122	164.7	6.517	0.65	0.01	0.10	
N	Kestose	52.353	115.4	6.546	0.44	0.02	0.10	
O	Erlose	53.067	622.4	6.635	0.55	0.07	0.44	
P	Melezitose	53.727	262.8	6.718	0.56	0.03	0.18	
Q	Maltotriose	57.402	86.5	7.177	0.55	0.01	0.06	
R	Panose	59.959	147.9	7.497	0.55	0.02	0.11	
S	Isomaltotriose	61.06	25.7	7.634	0.56	0.00	0.02	

Honey results for India.

13#1	Wt(s) (mg)	15.04						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.872	1828.9					
Mono	Monosaccharides	15.044	87558.8	1.911	0.97	9.24	61.43	
	Monosaccharides	15.302	76624.9	1.944				
A	Sucrose	34.842	263.5	4.426	0.76	0.02	0.13	
B	Trehalose	37.032	490.5	4.704	0.92	0.03	0.19	
C	Cellobiose	38.433	1067.6	4.882	0.72	0.08	0.54	
D	Laminaribiose	39.102	707	4.967	0.8	0.05	0.32	
E	Nigerose+Turanose1	39.306	3071.8	4.993	0.8	0.21	1.39	

F	Turanose2+Maltulose1	39.556	1663	5.025	0.8	0.11	0.75	
G	Maltose+Maltulose2	39.747	3366.9	5.049	0.8	0.23	1.53	
H	Kojibiose	40.14	2399.6	5.099	1.43	0.09	0.61	
I	Melibiose	40.729	1172.1	5.174	0.44	0.15	0.97	
J	Gentiobiose	40.974	707	5.205	0.52	0.07	0.49	
K	Palatinose1	41.342	1160.2	5.252	0.68	0.23	1.53	3457.63
	Palatinose2	41.656	1710.8	5.292				-586.63
N	Kestose	52.191	20.5	6.630	0.44	0.00	0.02	
O	Erlose	52.908	20.9	6.721	0.55	0.00	0.01	
P	Melezitose	53.498	22.4	6.796	0.56	0.00	0.01	
Q	Maltotriose	57.215	169.4	7.268	0.55	0.02	0.11	
R	Panose	59.787	297.5	7.595	0.55	0.03	0.20	
S	Isomaltotriose	60.916	54	7.738	0.56	0.01	0.03	
13#2	Wt(s) (mg)	16.54						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.873	1818.9					
Mono	Monosaccharides	15.09	104290.6	1.917	0.97	10.55	63.79	
	Monosaccharides	15.399	82089.4	1.956				
A	Sucrose	34.821	58.3	4.423	0.76	0.00	0.03	
B	Trehalose	37.045	791	4.705	0.92	0.05	0.29	
C	Cellobiose	38.438	1300.3	4.882	0.72	0.10	0.60	
D	Laminaribiose	39.088	786.5	4.965	0.8	0.05	0.33	
E	Nigerose+Turanose1	39.317	3517.8	4.994	0.8	0.24	1.46	
F	Turanose2+Maltulose1	39.561	1571.2	5.025	0.8	0.11	0.65	
G	Maltose+Maltulose2	39.757	3899	5.050	0.8	0.27	1.62	
H	Kojibiose	40.146	2767.7	5.099	1.43	0.11	0.64	
I	Melibiose	40.732	1325.6	5.174	0.44	0.17	1.00	
J	Gentiobiose	40.976	717.7	5.205	0.52	0.08	0.46	
K	Palatinose1	41.356	1387.3	5.253	0.68	0.27	1.66	4134.43
	Palatinose2	41.666	2009.8	5.292				-737.33
N	Kestose	52.189	24.2	6.629	0.44	0.00	0.02	
O	Erlose	52.907	30.4	6.720	0.55	0.00	0.02	
P	Melezitose	53.506	49.3	6.796	0.56	0.00	0.03	
Q	Maltotriose	57.207	224.3	7.266	0.55	0.02	0.14	
R	Panose	59.767	370.6	7.591	0.55	0.04	0.22	
S	Isomaltotriose	60.883	68.5	7.733	0.56	0.01	0.04	
13#3	Wt(s) (mg)	15.75						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.873	2031.6					

Mono	Monosaccharides	15.029	110269.8	1.909				
	Monosaccharides	15.327	76610.8	1.947	0.97	9.48	60.18	
A	Sucrose	34.836	65.9	4.425	0.76	0.00	0.03	
B	Trehalose	37.067	543.3	4.708	0.92	0.03	0.18	
C	Cellobiose	38.437	1255.2	4.882	0.72	0.09	0.54	
D	Laminaribiose	39.123	700.8	4.969	0.8	0.04	0.27	
E	Nigerose+Turanose1	39.321	4103.1	4.994	0.8	0.25	1.60	
F	Turanose2+Maltulose1	39.564	1935.6	5.025	0.8	0.12	0.76	
G	Maltose+Maltulose2	39.77	3931.5	5.051	0.8	0.24	1.54	
H	Kojibiose	40.159	2595.4	5.101	1.43	0.09	0.57	
I	Melibiose	40.732	1168	5.174	0.44	0.13	0.83	
J	Gentiobiose	40.98	690.1	5.205	0.52	0.07	0.41	
K	Palatinose1	41.357	1329.6	5.253	0.68	0.22	1.39	3962.47
	Palatinose2	41.662	1702.1	5.292				-930.77
N	Kestose	52.187	30.6	6.629	0.44	0.00	0.02	
O	Erlose	52.901	34.2	6.719	0.55	0.00	0.02	
P	Melezitose	53.487	33.9	6.794	0.56	0.00	0.02	
Q	Maltotriose	57.221	248.5	7.268	0.55	0.02	0.14	
R	Panose	59.774	315.8	7.592	0.55	0.03	0.18	
S	Isomaltotriose	60.875	44.6	7.732	0.56	0.00	0.02	
48#1	Wt(s) (mg)	16.8						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.891	2843					
Mono	Monosaccharides	15.338	181236.2	1.944	0.97	10.29	61.27	
	Monosaccharides	15.589	103095.4	1.976				
A	Sucrose	34.829	81	4.414	0.76	0.00	0.02	
B	Trehalose	37.086	315.1	4.700	0.92	0.01	0.07	
C	Cellobiose	38.457	1806.5	4.874	0.72	0.09	0.52	
D	Laminaribiose	39.09	859.8	4.954	0.8	0.04	0.22	
E	Nigerose+Turanose1	39.39	7273.3	4.992	0.8	0.32	1.90	
F	Turanose2+Maltulose1	39.687	3908.4	5.029	0.8	0.17	1.02	
G	Maltose+Maltulose2	39.842	7648.9	5.049	0.8	0.34	2.00	
H	Kojibiose	40.214	4926.7	5.096	1.43	0.12	0.72	
I	Melibiose	40.753	2163.2	5.164	0.44	0.17	1.03	
J	Gentiobiose	40.992	735.9	5.195	0.52	0.05	0.30	
K	Palatinose1	41.38	2213.5	5.244	0.68	0.31	1.86	6596.67
	Palatinose2	41.717	3839.6	5.287				-543.57
M	Raffinose	51.978	43.3	6.587	0.65	0.00	0.01	
N	Kestose	52.18	207.8	6.613	0.44	0.02	0.10	
O	Erlose	52.894	206.9	6.703	0.55	0.01	0.08	

P	Melezitose	53.472	111.8	6.776	0.56	0.01	0.04	
Q	Maltotriose	57.224	501.2	7.252	0.55	0.03	0.19	
R	Panose	59.786	810.9	7.576	0.55	0.05	0.31	
S	Isomaltotriose	60.87	139	7.714	0.56	0.01	0.05	
48#3	Wt(s) (mg)	17.23						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.883	2769.4					
Mono	Monosaccharides	15.276	174391.8	1.938	0.97	10.54	61.20	
	Monosaccharides	15.545	108993	1.972				
A	Sucrose	34.822	69.5	4.417	0.76	0.00	0.02	
B	Trehalose	37.01	109.2	4.695	0.92	0.01	0.06	
	Trehalose	37.117	153.2	4.708				
C	Cellobiose	38.464	1694.2	4.879	0.72	0.08	0.49	
D	Laminaribiose	39.114	683.3	4.962	0.8	0.03	0.18	
E	Nigerose+Turanose1	39.388	6934.7	4.997	0.8	0.31	1.82	
F	Turanose2+Maltulose1	39.646	3591.4	5.029	0.8	0.16	0.94	
G	Maltose+Maltulose2	39.842	7564.7	5.054	0.8	0.34	1.98	
H	Kojibiose	40.207	4762.5	5.100	1.43	0.12	0.70	
I	Melibiose	40.749	2045.4	5.169	0.44	0.17	0.97	
J	Gentiobiose	41	685.3	5.201	0.52	0.05	0.28	
K	Palatinose1	41.38	2128.9	5.249	0.68	0.31	1.79	6344.54
	Palatinose2	41.713	3697.2	5.292				-518.44
M	Raffinose	51.972	36.4	6.593	0.65	0.00	0.01	
N	Kestose	52.183	196.3	6.620	0.44	0.02	0.09	
O	Erlose	52.894	176.3	6.710	0.55	0.01	0.07	
P	Melezitose	53.479	87.5	6.784	0.56	0.01	0.03	
Q	Maltotriose	57.227	442.9	7.260	0.55	0.03	0.17	
R	Panose	59.79	755.8	7.585	0.55	0.05	0.29	
S	Isomaltotriose	60.879	121.4	7.723	0.56	0.01	0.05	
49#1	Wt(s) (mg)	15.57						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.871	2523.9					
Mono	Monosaccharides	15.14	129870.7	1.924	0.97	9.49	60.97	
	Monosaccharides	15.434	102924	1.961				
A	Sucrose	34.828	360.2	4.425	0.76	0.02	0.12	
B	Trehalose	37	262.7	4.701	0.92	0.01	0.07	
C	Cellobiose	38.437	1069.9	4.883	0.72	0.06	0.38	
D	Laminaribiose	39.111	802.2	4.969	0.8	0.04	0.25	
E	Nigerose+Turanose1	39.307	3609	4.994	0.8	0.18	1.15	

F	Turanose2+Maltulose1	39.58	1812.7	5.029	0.8	0.09	0.58	2690.52 -223.12	
G	Maltose+Maltulose2	39.787	5448.3	5.055	0.8	0.27	1.73		
H	Kojibiose	40.14	2149	5.100	1.43	0.06	0.38		
I	Melibiose	40.717	871.3	5.173	0.44	0.08	0.50		
J	Gentiobiose	40.956	330.1	5.203	0.52	0.03	0.16		
K	Palatinose1	41.328	902.8	5.251	0.68	0.14	0.92		
	Palatinose2	41.656	1564.6	5.292					
M	Raffinose	51.945	64.8	6.600	0.65	0.00	0.03		
N	Kestose	52.19	186	6.631	0.44	0.02	0.11		
O	Erlose	52.901	611.7	6.721	0.55	0.04	0.28		
P	Melezitose	53.47	58.8	6.793	0.56	0.00	0.03		
Q	Maltotriose	57.216	386.4	7.269	0.55	0.03	0.18		
R	Panose	59.769	308.9	7.594	0.55	0.02	0.14		
S	Isomaltotriose	60.858	42.8	7.732	0.56	0.00	0.03		
	Isomaltotriose	60.91	14.4	7.739					
49#2	Wt(s) (mg)	13.05							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	1790.20 -96.20	
IS	Xylitol	7.847	1736.7						
Mono	Monosaccharides	14.94	65999.2	1.904	0.97	8.58	65.72		
	Monosaccharides	15.24	78658.9	1.942					
A	Sucrose	34.804	174.1	4.435	0.76	0.01	0.10		
B	Trehalose	37.009	123.5	4.716	0.92	0.01	0.06		
C	Cellobiose	38.405	550.1	4.894	0.72	0.04	0.34		
D	Laminaribiose	39.05	479.8	4.976	0.8	0.03	0.26		
E	Nigerose+Turanose1	39.249	1889.6	5.002	0.8	0.14	1.04		
F	Turanose2+Maltulose1	39.499	1063.6	5.034	0.8	0.08	0.59		
G	Maltose+Maltulose2	39.702	3152.8	5.060	0.8	0.23	1.74		
H	Kojibiose	40.088	1500.6	5.109	1.43	0.06	0.46		
I	Melibiose	40.683	677.4	5.185	0.44	0.09	0.68		
J	Gentiobiose	40.921	96	5.215	0.52	0.03	0.23		
	Gentiobiose	40.941	170.9	5.217					
K	Palatinose1	41.292	600.7	5.262	0.68	0.14	1.10		
	Palatinose2	41.614	1093.3	5.303					
M	Raffinose	51.937	26.9	6.619	0.65	0.00	0.02		
N	Kestose	52.182	81.4	6.650	0.44	0.01	0.08		
O	Erlose	52.895	316.9	6.741	0.55	0.03	0.25		
P	Melezitose	53.469	38	6.814	0.56	0.00	0.03		
Q	Maltotriose	57.226	217.1	7.293	0.55	0.02	0.17		
R	Panose	59.767	192.8	7.617	0.55	0.02	0.15		
S	Isomaltotriose	60.904	46.5	7.761	0.56	0.00	0.04		

49#3	Wt(s) (mg)	12.89						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.853	2241.4					
Mono	Monosaccharides	15.077	100070.3	1.920	0.97	8.02	62.24	
	Monosaccharides	15.347	74436	1.954				
A	Sucrose	34.804	235.4	4.432	0.76	0.01	0.11	
B	Trehalose	37.064	72.3	4.720	0.92	0.00	0.03	
C	Cellobiose	38.406	701.2	4.891	0.72	0.04	0.34	
D	Laminaribiose	39.059	635.2	4.974	0.8	0.04	0.27	
E	Nigerose+Turanose1	39.272	2538.5	5.001	0.8	0.14	1.10	
F	Turanose2+Maltulose1	39.53	1094.3	5.034	0.8	0.06	0.47	
G	Maltose+Maltulose2	39.551	404.9	5.036	0.8	0.02	0.18	
H	Kojibiose	40.098	1749.8	5.106	1.43	0.05	0.42	
I	Melibiose	40.689	763.1	5.181	0.44	0.08	0.60	
J	Gentiobiose	40.939	327.3	5.213	0.52	0.03	0.22	
K	Palatinose1	41.318	735.5	5.261	0.68	0.13	1.04	2191.94
	Palatinose2	41.622	1300.4	5.300				-156.04
M	Raffinose	51.958	16.6	6.616	0.65	0.00	0.01	
N	Kestose	52.175	113.8	6.644	0.44	0.01	0.09	
O	Erlose	52.894	394.4	6.736	0.55	0.03	0.25	
P	Melezitose	53.459	34.6	6.807	0.56	0.00	0.02	
Q	Maltotriose	57.21	256.3	7.285	0.55	0.02	0.16	
R	Panose	59.754	218.8	7.609	0.55	0.02	0.14	
S	Isomaltotriose	60.871	23.8	7.751	0.56	0.00	0.01	
75#1	Wt(s) (mg)	17.2						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.87	283.2					
Mono	Monosaccharides	14.307	2869	1.818	0.97	14.57	84.69	
	Monosaccharides	14.9	37216.2	1.893				
A	Sucrose	34.669	138.6	4.405	0.76	0.06	0.37	
B	Trehalose	36.896	131.6	4.688	0.92	0.05	0.29	
C	Cellobiose	38.221	277.7	4.857	0.72	0.14	0.79	
D	Laminaribiose	38.772	247.2	4.927	0.8	0.11	0.63	
E	Nigerose+Turanose1	39.069	658.5	4.964	0.8	0.29	1.69	
F	Turanose2+Maltulose1	39.331	418.7	4.998	0.8	0.18	1.07	
G	Maltose+Maltulose2	39.494	503.3	5.018	0.8	0.22	1.29	
H	Kojibiose	39.915	264.9	5.072	1.43	0.07	0.38	
I	Melibiose	40.237	55.1	5.113	0.44	0.04	0.26	
J	Gentiobiose	40.537	57.9	5.151	0.52	0.04	0.23	

K	Palatinose1	40.804	15.2	5.185	0.68	0.03	0.17	45.30	
	Palatinose2	41.156	41.9	5.229				11.80	
O	Erlose	52.748	84	6.702	0.55	0.05	0.31		
75#2	Wt(s) (mg)	16.69							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.859	1469						
Mono	Monosaccharides	15.26	171791.8	1.942	0.97	12.04	72.15		
A	Sucrose	34.674	192.2	4.412	0.76	0.02	0.10		
B	Trehalose	36.861	101.7	4.690	0.92	0.01	0.05		
C	Cellobiose	38.272	781.8	4.870	0.72	0.07	0.44		
D	Laminaribiose	38.929	531.8	4.953	0.8	0.05	0.27		
E	Nigerose+Turanose1	39.119	2271.3	4.978	0.8	0.19	1.16		
F	Turanose2+Maltulose1	39.358	1167	5.008	0.8	0.12	0.72		
	Turanose2+Maltulose1	39.41	237.7	5.015					
G	Maltose+Maltulose2	39.563	2930.7	5.034	0.8	0.25	1.49		
H	Kojibiose	39.939	1719.1	5.082	1.43	0.08	0.49		
I	Melibiose	40.551	696.8	5.160	0.44	0.11	0.65		
J	Gentiobiose	40.808	328.4	5.193	0.52	0.04	0.26		
K	Palatinose1	41.149	572.8	5.236	0.68	0.14	0.83	1707.06	
	Palatinose2	41.468	812.8	5.276				-321.46	
N	Kestose	52.025	43.9	6.620	0.44	0.01	0.04		
O	Erlose	52.751	201.8	6.712	0.55	0.02	0.15		
P	Melezitose	53.328	46.6	6.786	0.56	0.01	0.03		
Q	Maltotriose	57.037	122.7	7.258	0.55	0.02	0.09		
R	Panose	59.577	121.5	7.581	0.55	0.02	0.09		
75#3	Wt(s) (mg)	13.39							
	Wt(Xyl) (mg)	0.09995							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.838	1662						
Mono	Monosaccharides	15.111	145788.2	1.928	0.97	9.04	67.50		
A	Sucrose	34.674	190.3	4.424	0.76	0.02	0.11		
B	Trehalose	36.861	250.1	4.703	0.92	0.02	0.12		
C	Cellobiose	38.268	780	4.882	0.72	0.07	0.49		
D	Laminaribiose	38.911	483	4.964	0.8	0.04	0.27		
E	Nigerose+Turanose1	39.122	2340.8	4.991	0.8	0.18	1.31		
F	Turanose2+Maltulose1	39.344	621.7	5.020	0.8	0.10	0.78		
	Turanose2+Maltulose1	39.372	768	5.023					
G	Maltose+Maltulose2	39.523	1077.7	5.042	0.8	0.20	1.49		
	Maltose+Maltulose2	39.552	1575.6	5.046					
H	Kojibiose	39.943	1494.4	5.096	1.43	0.06	0.47		

I	Melibiose	40.543	625.2	5.173	0.44	0.09	0.64		
J	Gentiobiose	40.792	365.7	5.204	0.52	0.04	0.32		
K	Palatinose1	41.16	584.1	5.251	0.68	0.12	0.90	1740.73	
	Palatinose2	41.451	772.7	5.288				-383.93	
O	Erlose	52.751	176.8	6.730	0.44	0.02	0.18		
P	Melezitose	53.308	36.7	6.801	0.56	0.00	0.03		
Q	Maltotriose	57.046	127.1	7.278	0.55	0.01	0.10		
R	Panose	59.573	141.2	7.601	0.55	0.02	0.12		
79#2	Wt sample (mg)	14.18							
	Wt xylitol (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.855	558.1						
Mono	Monosaccharides	14.966	60578.4	1.905	0.97	11.18	78.82		
A	Sucrose	34.607	122.5	4.406	0.76	0.03	0.20		
B	Trehalose	36.864	181	4.693	0.92	0.04	0.25		
C	Cellobiose	38.269	300.5	4.872	0.72	0.07	0.53		
D	Laminaribiose	38.767	123.1	4.935	0.8	0.03	0.19		
E	Nigerose+Turanose1	38.941	568.1	4.957	0.8	0.13	0.90		
F	Turanose2+Maltulose1	39.207	399.8	4.991	0.8	0.09	0.63		
G	Maltose+Maltulose2	39.375	676.9	5.013	0.8	0.15	1.07		
H	Kojibiose	40.208	75.8	5.119	1.43	0.01	0.07		
I	Melibiose	40.507	46.1	5.157	0.44	0.02	0.13		
J	Gentiobiose	40.766	28.9	5.190	0.52	0.01	0.07		
K	Palatinose1	41.138	14.5	5.237	0.68	0.01	0.06		43.21
	Palatinose2	41.419	16.5	5.273					-12.21
79#3	Wt sample (mg)	16.32							
	Wt Xylitol (mg)	0.09995							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.839	1239.6						
Mono	Monosaccharides	15.095	137879.9	1.926	0.97	11.46	70.23		
A	Sucrose	34.603	212.5	4.414	0.76	0.02	0.14		
B	Trehalose	36.897	229.3	4.707	0.92	0.02	0.12		
C	Cellobiose	38.289	586.4	4.884	0.72	0.07	0.40		
D	Laminaribiose	38.781	239	4.947	0.8	0.02	0.15		
E	Nigerose+Turanose1	38.944	1475.7	4.968	0.8	0.15	0.91		
F	Turanose2+Maltulose1	39.072	715	4.984	0.8	0.07	0.44		
G	Maltose+Maltulose2	39.415	1996.5	5.028	0.8	0.20	1.23		
H	Kojibiose	40.212	258.1	5.130	1.43	0.01	0.09		
I	Melibiose	40.522	191	5.169	0.44	0.04	0.21		
J	Gentiobiose	40.789	179.9	5.203	0.52	0.03	0.17		
K	Palatinose1	41.148	142.5	5.249	0.68	0.03	0.18		424.68

	Palatinose2	41.446	111.3	5.287				-170.88	
81#2	Wt(s) (mg)	14.42							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.879	1644.5						
Mono	Monosaccharides	15.223	160971.2	1.932	0.97	10.08	69.90		
A	Sucrose	34.664	31.8	4.400	0.76	0.00	0.02		
B	Trehalose	36.927	56.7	4.687	0.92	0.00	0.03		
C	Cellobiose	38.242	583.4	4.854	0.72	0.05	0.34		
D	Laminaribiose	38.898	394.1	4.937	0.8	0.03	0.21		
E	Nigerose+Turanose1	39.129	2825.1	4.966	0.8	0.21	1.49		
F	Turanose2+Maltulose1	39.362	1665.2	4.996	0.8	0.13	0.88		
G	Maltose+Maltulose2	39.566	3368.8	5.022	0.8	0.26	1.77		
H	Kojibiose	39.956	2262.6	5.071	1.43	0.10	0.67		
I	Melibiose	40.548	1094.6	5.146	0.44	0.15	1.05		
J	Gentiobiose	40.803	467.5	5.179	0.52	0.05	0.38		
K	Palatinose1	41.167	1099.8	5.225	0.68	0.24	1.65	3277.62	
	Palatinose2	41.476	1568.1	5.264				-609.72	
N	Kestose	52.033	176	6.604	0.44	0.02	0.17		
O	Erlose	52.739	63.7	6.694	0.55	0.01	0.05		
P	Melezitose	53.322	20.9	6.768	0.56	0.00	0.02		
Q	Maltotriose	57.038	115.7	7.239	0.55	0.01	0.09		
R	Panose	59.573	187.2	7.561	0.55	0.02	0.14		
S	Isomaltotriose	60.682	25	7.702	0.56	0.00	0.02		
81#3	Wt(s) (mg)	14.13							
	Wt(Xyl) (mg)	0.09995							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.789	866.8						
Mono	Monosaccharides	14.834	91431.2	1.904	0.97	10.87	76.92		
A	Sucrose	34.684	20.7	4.453	0.76	0.00	0.02		
B	Trehalose	36.894	184.2	4.737	0.92	0.02	0.16		
C	Cellobiose	38.238	544	4.909	0.72	0.09	0.62		
D	Laminaribiose	38.861	456.3	4.989	0.8	0.07	0.47		
E	Nigerose+Turanose1	39.106	2060.1	5.021	0.8	0.30	2.10		
F	Turanose2+Maltulose1	39.346	1177.1	5.051	0.8	0.17	1.20		
G	Maltose+Maltulose2	39.517	1588	5.073	0.8	0.23	1.62		
H	Kojibiose	39.921	790.8	5.125	1.43	0.06	0.45		
I	Melibiose	40.542	340.1	5.205	0.44	0.09	0.63		
J	Gentiobiose	40.765	95.9	5.234	0.52	0.02	0.15		
K	Palatinose1	41.16	354.6	5.284	0.68	0.13	0.90	1056.78	
	Palatinose2	41.457	396.6	5.323				-305.58	

N	Kestose	52.029	185.3	6.680	0.44	0.05	0.34	
O	Erlose	52.739	96.7	6.771	0.55	0.02	0.14	
Q	Maltotriose	57.031	54.3	7.322	0.55	0.01	0.08	
R	Panose	59.535	61.9	7.643	0.55	0.01	0.09	
119#1	Wt(s) (mg)	17.46						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.754	2008.2					
Mono	Monosaccharides	15.264	247822.2	1.969	0.97	12.70	72.74	
A	Sucrose	34.594	50.9	4.461	0.76	0.00	0.02	
B	Trehalose	36.845	58.7	4.752	0.92	0.00	0.02	
C	Cellobiose	38.207	953.7	4.927	0.72	0.07	0.38	
D	Laminaribiose	38.861	557.3	5.012	0.8	0.03	0.20	
E	Nigerose+Turanose1	39.094	3777.5	5.042	0.8	0.23	1.34	
F	Turanose2+Maltulose1	39.323	1241	5.071	0.8	0.13	0.76	
	Turanose2+Maltulose1	39.343	900.8	5.074				
G	Maltose+Maltulose2	39.477	1350	5.091	0.8	0.30	1.69	
	Maltose+Maltulose2	39.534	1762.6	5.099				
	Maltose+Maltulose2	39.549	1643.1	5.100				
H	Kojibiose	39.913	2316.9	5.147	1.43	0.08	0.46	
I	Melibiose	40.488	1075.5	5.222	0.44	0.12	0.70	
J	Gentiobiose	40.743	364.5	5.254	0.52	0.03	0.20	
K	Palatinose1	41.09	459.6	5.299	0.68	0.23	1.31	3427.23
	Palatinose1	41.104	690.4	5.301				
	Palatinose2	41.422	1985	5.342				-292.23
N	Kestose	51.971	109.5	6.702	0.44	0.01	0.07	
O	Erlose	52.681	165.9	6.794	0.55	0.01	0.09	
P	Melezitose	53.245	42.7	6.867	0.56	0.00	0.02	
Q	Maltotriose	56.956	246.9	7.345	0.55	0.02	0.13	
R	Panose	59.496	278.3	7.673	0.55	0.03	0.14	
S	Isomaltotriose	60.636	31.3	7.820	0.56	0.00	0.02	
119#2	Wt(s) (mg)	14.9						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.75	1744.5					
Mono	Monosaccharides	15.163	187748	1.957	0.97	11.08	74.37	
A	Sucrose	34.594	53.8	4.464	0.76	0.00	0.03	
B	Trehalose	36.785	111.7	4.746	0.92	0.01	0.05	
C	Cellobiose	38.182	816.8	4.927	0.72	0.06	0.44	
D	Laminaribiose	38.844	500.9	5.012	0.8	0.04	0.24	
E	Nigerose+Turanose1	39.063	2915	5.040	0.8	0.21	1.40	

F	Turanose2+Maltulose1	39.272	554.8	5.067	0.8	0.12	0.80		
	Turanose2+Maltulose1	39.307	1107.4	5.072					
G	Maltose+Maltulose2	39.485	1956.1	5.095	0.8	0.28	1.85		
	Maltose+Maltulose2	39.514	1892.1	5.099					
H	Kojibiose	39.881	2012	5.146	1.43	0.08	0.54		
I	Melibiose	40.48	1059.7	5.223	0.44	0.14	0.93		
J	Gentiobiose	40.744	470.5	5.257	0.52	0.05	0.35		
K	Palatinose1	41.091	956.1	5.302	0.68	0.22	1.48		2849.37
	Palatinose2	41.406	1663.4	5.343					-229.87
N	Kestose	51.984	84.8	6.708	0.44	0.01	0.07		
O	Erlose	52.692	109.4	6.799	0.55	0.01	0.08		
P	Melezitose	53.242	38.1	6.870	0.56	0.00	0.03		
Q	Maltotriose	56.971	171.8	7.351	0.55	0.02	0.12		
R	Panose	59.481	215	7.675	0.55	0.02	0.15		
119#3	Wt(s) (mg)	14.57							
	Wt(Xyl) (mg)	0.09995							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.746	1208.4						
Mono	Monosaccharides	15.047	141971.3	1.943	0.97	12.11	83.09		
A	Sucrose	34.601	31.6	4.467	0.76	0.00	0.02		
B	Trehalose	36.741	50.8	4.743	0.92	0.00	0.03		
C	Cellobiose	38.171	591	4.928	0.72	0.07	0.47		
D	Laminaribiose	38.822	351	5.012	0.8	0.04	0.25		
E	Nigerose+Turanose1	39.03	1828.7	5.039	0.8	0.19	1.30		
F	Turanose2+Maltulose1	39.274	569.6	5.070	0.8	0.10	0.67		
	Turanose2+Maltulose1	39.287	381.4	5.072					
G	Maltose+Maltulose2	39.429	861.6	5.090	0.8	0.27	1.82		
	Maltose+Maltulose2	39.463	1703.2	5.095					
H	Kojibiose	39.857	1404.9	5.145	1.43	0.08	0.56		
I	Melibiose	40.462	777.6	5.224	0.44	0.15	1.00		
J	Gentiobiose	40.716	399	5.256	0.52	0.06	0.44		
K	Palatinose1	41.068	683.4	5.302	0.68	0.21	1.46	2036.67	
	Palatinose2	41.366	454.2	5.340				-284.97	
	Palatinose2	41.393	614.1	5.344					
N	Kestose	51.983	61.6	6.711	0.44	0.01	0.08		
O	Erlose	52.701	71.8	6.804	0.55	0.01	0.07		
P	Melezitose	53.273	22.1	6.877	0.56	0.00	0.02		
Q	Maltotriose	56.97	115.8	7.355	0.55	0.02	0.12		
R	Panose	59.491	99.3	7.680	0.55	0.01	0.10		

Honey results from Vietnam.

89#1	Wt(s) (mg)	14.82						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.487	2604					
Mono	Monosaccharides	14.679	134017.8	1.961	0.97	8.97	60.54	
	Monosaccharides	14.951	92990	1.997				
A	Sucrose	34.327	53.2	4.585	0.76	0.00	0.02	
B	Trehalose	36.498	114.9	4.875	0.92	0.01	0.06	
	Trehalose	36.536	106.2	4.880				
C	Cellobiose	37.935	1381.7	5.067	0.72	0.07	0.50	
D	Laminaribiose	38.599	1046.7	5.155	0.8	0.05	0.34	
E	Nigerose+Turanose1	38.814	4573.7	5.184	0.8	0.22	1.48	
F	Turanose2+Maltulose1	39.046	1459.3	5.215	0.8	0.11	0.76	
	Turanose2+Maltulose1	39.067	895.1	5.218				
G	Maltose+Maltulose2	39.238	2692.3	5.241	0.8	0.22	1.51	
	Maltose+Maltulose2	39.256	1975.9	5.243				
H	Kojibiose	39.643	2799.1	5.295	1.43	0.08	0.51	
IS	Melibiose	40.216	839.2	5.371	0.44	0.07	0.49	
J	Gentiobiose	40.489	667.9	5.408	0.52	0.05	0.33	
K	Palatinose1	40.832	740.8	5.454	0.68	0.12	0.84	2207.73
L	Palatinose2+Isomaltose	41.14	1641.1	5.495	0.46	0.01	0.10	174.17
M	Raffinose	51.502	13.7	6.879	0.65	0.00	0.01	
N	Kestose	51.709	90.4	6.907	0.44	0.01	0.05	
O	Erlose	52.445	29.6	7.005	0.55	0.00	0.01	
P	Melezitose	53.266	48.5	7.114	0.56	0.00	0.02	
Q	Maltotriose	56.686	237.1	7.571	0.55	0.02	0.11	
R	Panose	59.176	248.9	7.904	0.55	0.02	0.12	
S	Isomaltotriose	60.301	19.4	8.054	0.56	0.00	0.01	
89#2	Wt(s) (mg)	14.71						
	Wt(Xyl) (mg)	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.457	1666.3					
Mono	Monosaccharides	14.462	74153.3	1.939	0.97	9.16	62.26	
	Monosaccharides	14.757	74063.4	1.979				
A	Sucrose	34.319	32.8	4.602	0.76	0.00	0.02	
B	Trehalose	36.494	163.5	4.894	0.92	0.01	0.07	
C	Cellobiose	37.914	878.3	5.084	0.72	0.07	0.50	
D	Laminaribiose	38.622	76.4	5.179	0.8	0.01	0.04	
E	Nigerose+Turanose1	38.74	1051.5	5.195	0.8	0.19	1.32	

	Nigerose+Turanose1	38.769	1535.5	5.199				
F	Turanose2+Maltulose1	38.998	1394.3	5.230	0.8	0.10	0.71	
G	Maltose+Maltulose2	39.193	2952.6	5.256	0.8	0.22	1.50	
H	Kojibiose	39.593	2014.9	5.310	1.43	0.08	0.57	
I	Melibiose	40.198	574.2	5.391	0.44	0.08	0.53	
J	Gentiobiose	40.466	163.9	5.427	0.52	0.02	0.13	
K	Palatinose1	40.808	454.7	5.472	0.68	0.09	0.62	1355.10
	Palatinose2	41.114	574	5.513				-326.40
M	Raffinose	51.754	45.6	6.940	0.65	0.00	0.03	
N	Kestose	51.836	22.7	6.951	0.44	0.00	0.02	
O	Erlose	52.485	12.8	7.038	0.55	0.00	0.01	
P	Melezitose	53.297	8.2	7.147	0.56	0.00	0.01	
Q	Maltotriose	56.715	151.2	7.606	0.55	0.02	0.11	
R	Panose	59.222	126.4	7.942	0.55	0.01	0.09	
89#3	Wt(s) (mg)	15.18						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.441	1298.3					
Mono	Monosaccharides	14.401	54901.4	1.935	0.97	9.23	60.81	
	Monosaccharides	14.685	61416.3	1.974				
A	Sucrose	34.321	26.1	4.612	0.76	0.00	0.02	
B	Trehalose	36.477	103.4	4.902	0.92	0.01	0.06	
C	Cellobiose	37.909	538.8	5.095	0.72	0.06	0.38	
D	Laminaribiose	38.543	312.4	5.180	0.8	0.03	0.20	
E	Nigerose+Turanose1	38.748	1910.1	5.207	0.8	0.18	1.21	
F	Turanose2+Maltulose1	38.994	1141.6	5.240	0.8	0.11	0.72	
G	Maltose+Maltulose2	39.145	867.1	5.261	0.8	0.22	1.44	
	Maltose+Maltulose2	39.169	1411.3	5.264				
H	Kojibiose	39.569	1502.8	5.318	1.43	0.08	0.53	
I	Melibiose	40.199	429.9	5.402	0.44	0.08	0.50	
J	Gentiobiose	40.473	391.7	5.439	0.52	0.06	0.38	
K	Palatinose1	40.811	353.4	5.485	0.68	0.12	0.79	1053.20
L	Palatinose2+Isomaltose	41.109	841.7	5.525	0.46	0.02	0.16	141.90
N	Kestose	51.78	38.6	6.959	0.44	0.01	0.04	
Q	Maltotriose	56.757	112.2	7.628	0.55	0.02	0.10	
R	Panose	59.244	49.8	7.962	0.55	0.01	0.08	
	Panose	59.297	40	7.969				
116#1	Wt sample (mg)	14.35						
	Wt xylitol (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.431	1466.3					

Mono	Monosaccharides	14.41	61142.2	1.939	0.97	8.75	61.00		
	Monosaccharides	14.696	63576.4	1.978					
A	Sucrose	34.293	26.2	4.615	0.76	0.00	0.02		
B	Trehalose	36.532	112.5	4.916	0.92	0.01	0.06		
C	Cellobiose	37.883	800.8	5.098	0.72	0.08	0.53		
D	Laminaribiose	38.524	426.3	5.184	0.8	0.04	0.25		
E	Nigerose+Turanose1	38.763	2771.2	5.216	0.8	0.24	1.64		
F	Turanose2+Maltulose1	39.001	1627.2	5.248	0.8	0.14	0.97		
G	Maltose+Maltulose2	39.184	2703.5	5.273	0.8	0.23	1.60		
H	Kojibiose	39.581	1884.3	5.326	1.43	0.09	0.63		
I	Melibiose	40.19	706.3	5.408	0.44	0.11	0.76		
J	Gentiobiose	40.473	404.1	5.447	0.52	0.05	0.37		
K	Palatinose1	40.799	560.2	5.490	0.68	0.17	1.16	1669.51	
L	Palatinose2+Isomaltose	41.109	1340.1	5.532	0.46	0.03	0.24	230.79	
N	Kestose	51.734	68.3	6.962	0.44	0.01	0.07		
O	Erlose	52.473	32.2	7.061	0.55	0.00	0.03		
P	Melezitose	52.994	7.2	7.131	0.56	0.00	0.01		
Q	Maltotriose	56.703	146.8	7.631	0.55	0.02	0.13		
R	Panose	59.185	164.9	7.965	0.55	0.02	0.14		
116#2	Wt(s) (mg)	14.86							
	Wt(Xyl) (mg)	0.09988							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.441	1717						
Mono	Monosaccharides	14.488	76427.3	1.947	0.97	8.84	59.46		
	Monosaccharides	14.733	70910.2	1.980					
A	Sucrose	34.31	33.7	4.611	0.76	0.00	0.02		
B	Trehalose	36.481	134.8	4.903	0.92	0.01	0.06		
C	Cellobiose	37.901	943.2	5.094	0.72	0.08	0.51		
D	Laminaribiose	38.543	440.8	5.180	0.8	0.03	0.22		
E	Nigerose+Turanose1	38.779	3307.9	5.212	0.8	0.24	1.62		
F	Turanose2+Maltulose1	39.006	1858.4	5.242	0.8	0.14	0.91		
G	Maltose+Maltulose2	39.196	3061.4	5.268	0.8	0.22	1.50		
H	Kojibiose	39.597	2184.6	5.321	1.43	0.09	0.60		
I	Melibiose	40.187	847.1	5.401	0.44	0.11	0.75		
J	Gentiobiose	40.461	430.8	5.438	0.52	0.05	0.32		
K	Palatinose1	40.794	658	5.482	0.68	0.17	1.13	1960.97	
L	Palatinose2+Isomaltose	41.115	1631.1	5.525	0.46	0.04	0.28	328.13	
N	Kestose	51.733	82.2	6.952	0.44	0.01	0.07		
O	Erlose	52.445	38.2	7.048	0.55	0.00	0.03		
P	Melezitose	52.998	11.1	7.122	0.56	0.00	0.01		
Q	Maltotriose	56.691	157.1	7.619	0.55	0.02	0.11		

R	Panose	59.164	233.8	7.951	0.55	0.02	0.17	
S	Isomaltotriose	60.373	19.6	8.114	0.56	0.00	0.01	
116#3	Wt(s) (mg)	14.71						
	Wt(Xyl) (mg)	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.427	1033.1					
Mono	Monosaccharides	14.294	36549.6	1.925	0.97	8.98	61.06	
	Monosaccharides	14.567	53507	1.961				
A	Sucrose	34.319	11.7	4.621	0.76	0.00	0.01	
B	Trehalose	36.536	77.8	4.919	0.92	0.01	0.06	
C	Cellobiose	37.878	540.2	5.100	0.72	0.07	0.49	
D	Laminaribiose	38.526	286.5	5.187	0.8	0.03	0.24	
E	Nigerose+Turanose1	38.731	1735	5.215	0.8	0.27	1.85	
	Nigerose+Turanose1	38.957	521	5.245				
F	Turanose2+Maltulose1	38.972	555.4	5.247	0.8	0.07	0.46	
G	Maltose+Maltulose2	39.139	1693.3	5.270	0.8	0.20	1.39	
H	Kojibiose	39.552	1234.7	5.325	1.43	0.08	0.57	
I	Melibiose	40.187	475.2	5.411	0.44	0.10	0.71	
J	Gentiobiose	40.476	231.8	5.450	0.52	0.04	0.29	
K	Palatinose1	40.8	462.2	5.493	0.68	0.20	1.33	1377.45
L	Palatinose2+Isomaltose	41.101	915.6	5.534	0.46	0.00	0.00	0.35
N	Kestose	51.823	46.5	6.978	0.44	0.01	0.07	
O	Erlose	52.543	22.1	7.075	0.55	0.00	0.03	
P	Melezitose	53.073	5.2	7.146	0.56	0.00	0.01	
Q	Maltotriose	56.757	53.6	7.642	0.55	0.01	0.06	
R	Panose	59.258	93.3	7.979	0.55	0.02	0.11	
118#1	Wt(s) (mg)	14.64						
	Wt(Xyl) (mg)	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.42	1630					
Mono	Monosaccharides	14.449	76567.2	1.947	0.97	9.46	64.62	
	Monosaccharides	14.729	73258.7	1.985				
A	Sucrose	34.287	511.9	4.621	0.76	0.04	0.28	
B	Trehalose	36.468	144.3	4.915	0.92	0.01	0.07	
C	Cellobiose	37.887	602.6	5.106	0.72	0.05	0.35	
D	Laminaribiose	38.343	196.2	5.168	0.8	0.02	0.13	
	Laminaribiose	38.398	55.5	5.175				
E	Nigerose+Turanose1	38.555	1323.1	5.196	0.8	0.10	0.69	
F	Turanose2+Maltulose1	38.692	112.4	5.215	0.8	0.01	0.06	
G	Maltose+Maltulose2	38.758	99.6	5.223	0.8	0.01	0.05	
H	Kojibiose	39.435	175.5	5.315	1.43	0.01	0.05	

I	Melibiose	39.832	84.4	5.368	0.44	0.01	0.10	
	Melibiose	39.883	20.8	5.375				
J	Gentiobiose	40.144	66.8	5.410	0.52	0.01	0.05	182.98 -35.68
K	Palatinose1	40.417	61.4	5.447	0.68	0.01	0.09	
	Palatinose2	40.741	85.9	5.491				
N	Kestose	51.459	12.5	6.935	0.44	0.00	0.01	
O	Erlose	52.523	16.5	7.079	0.55	0.00	0.01	
Q	Maltotriose	56.083	31	7.558	0.55	0.00	0.02	

Honey results for Japan.

26#1	Wt(s) (mg):	14.51							
	Wt(Xyl) (mg):	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	714.0554 -131.855	
IS	Xylitol	7.434	1546.3						
Mono	Monosaccharides	14.66	164855.3	1.972	0.97	10.97	75.62		
A	Sucrose	34.006	370.7	4.574	0.76	0.03	0.22		
B	Trehalose	36.144	245.4	4.862	0.92	0.02	0.12		
C	Cellobiose	37.603	885.7	5.058	0.72	0.08	0.55		
D	Laminaribiose	38.25	904.7	5.145	0.8	0.07	0.50		
E	Nigerose +Turanose1	38.424	2642	5.169	0.8	0.23	1.57		
	Nigerose +Turanose1	38.54	174.8	5.184					
F	Turanose2+Maltulose1	38.67	1535	5.202	0.8	0.12	0.85		
G	Maltulose2+Maltose	38.873	3279	5.229	0.8	0.26	1.82		
H	Kojibiose	39.267	965.4	5.282	1.43	0.04	0.30		
I	Melibiose	39.867	271.7	5.363	0.44	0.04	0.27		
J	Gentiobiose	40.139	151.2	5.399	0.52	0.02	0.13		
K	Palatinose1	40.463	239.6	5.443	0.68	0.06	0.38		
	Palatinose2	40.768	342.6	5.484					
N	Kestose	51.325	61.6	6.904	0.44	0.01	0.06		
O	Erlose	52.062	207.3	7.003	0.55	0.02	0.17		
P	Melezitose	52.596	16.1	7.075	0.56	0.00	0.01		
Q	Maltotriose	56.239	116.9	7.565	0.55	0.01	0.09		
R	Panose	58.657	78.9	7.890	0.55	0.01	0.06		
82#1	Wt(s) (mg):	15.75							
	Wt(Xyl) (mg):	0.09983							
Peak	Sugar	Time	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.325	1517.6						
Mono	Monosaccharides	14.55	160851.5	1.986	0.97	10.91	69.26		
A	Sucrose	33.969	258.9	4.637	0.76	0.02	0.14		
B	Trehalose	36.127	141.7	4.932	0.92	0.01	0.06		
C	Cellobiose	37.563	416.5	5.128	0.72	0.04	0.24		

D	Laminaribiose	38.184	601.3	5.213	0.8	0.05	0.31	
E	Nigerose +Turanose1	38.376	1592.6	5.239	0.8	0.13	0.83	
F	Turanose2+Maltulose1	38.617	876.4	5.272	0.8	0.07	0.46	
G	Maltulose2+Maltose	38.826	2629.8	5.300	0.8	0.22	1.37	
H	Kojibiose	39.209	673.5	5.353	1.43	0.03	0.20	
I	Melibiose	39.831	175.7	5.438	0.44	0.03	0.17	
J	Gentiobiose	40.089	78.6	5.473	0.52	0.01	0.06	
K	Palatinose1	40.428	219.2	5.519	0.68	0.05	0.30	653.2594
	Palatinose2	40.732	266.2	5.561				-167.859
M	Raffinose	51.122	10.6	6.979	0.65	0.00	0.01	
N	Kestose	51.315	94.7	7.005	0.44	0.01	0.09	
O	Erlose	52.051	175.3	7.106	0.55	0.02	0.13	
Q	Maltotriose	56.234	72.7	7.677	0.55	0.01	0.06	
82#2	Weight sample (mg):	15.75						
	Weight Xylitol (mg):	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.417	868.5					
Mono	Monosaccharides	14.481	104110.3	1.952	0.97	12.34	78.37	
A	Sucrose	33.968	227.7	4.580	0.76	0.03	0.22	
B	Trehalose	36.116	76.6	4.869	0.92	0.01	0.06	
C	Cellobiose	37.56	343.8	5.064	0.72	0.05	0.35	
D	Laminaribiose	38.188	555.8	5.149	0.8	0.08	0.51	
E	Nigerose +Turanose1	38.377	1545.1	5.174	0.8	0.22	1.41	
F	Turanose2+Maltulose1	38.619	1045.5	5.207	0.8	0.15	0.95	
G	Maltulose2+Maltose	38.81	2161.4	5.233	0.8	0.31	1.97	
H	Kojibiose	39.219	533.7	5.288	1.43	0.04	0.27	
I	Melibiose	39.819	152	5.369	0.44	0.04	0.25	
J	Gentiobiose	40.12	16.1	5.409	0.52	0.00	0.02	
K	Palatinose1	40.419	122.6	5.450	0.68	0.05	0.33	365.3723
	Palatinose2	40.718	182.8	5.490				-59.9723
M	Raffinose	51.096	13.7	6.889	0.65	0.00	0.02	
N	Kestose	51.305	94	6.917	0.44	0.02	0.16	
O	Erlose	52.035	168	7.016	0.55	0.04	0.22	
P	Melezitose	53.623	14.9	7.230	0.56	0.00	0.02	
Q	Maltotriose	56.227	54.8	7.581	0.55	0.01	0.07	
R	Panose	58.65	33.7	7.908	0.55	0.01	0.04	
82#3	Wt(s) (mg):	14.72						
	Wt(Xyl) (mg):	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.374	2327.1					
Mono	Monosaccharides	14.776	232253	2.004	0.97	10.28	69.81	
A	Sucrose	33.971	411	4.607	0.76	0.02	0.16	
B	Trehalose	36.118	161.2	4.898	0.92	0.01	0.05	
C	Cellobiose	37.188	92.9	5.043	0.72	0.01	0.04	
D	Laminaribiose	38.191	864.5	5.179	0.8	0.05	0.32	
E	Nigerose +Turanose1	38.394	1879	5.207	0.8	0.10	0.68	
F	Turanose2+Maltulose1	38.635	978.7	5.239	0.8	0.05	0.36	
G	Maltulose2+Maltose	38.848	3435.2	5.268	0.8	0.18	1.25	

H	Kojibiose	39.212	956.9	5.318	1.43	0.03	0.20	
I	Melibiose	39.821	320.8	5.400	0.44	0.03	0.21	
J	Gentiobiose	40.094	169.4	5.437	0.52	0.01	0.09	
K	Palatinose1	40.42	284.8	5.481	0.68	0.05	0.33	848.7604
	Palatinose2	40.726	480.8	5.523				-83.1604
M	Raffinose	51.096	22.4	6.929	0.65	0.00	0.01	
N	Kestose	51.314	154.3	6.959	0.44	0.02	0.10	
O	Erlose	52.038	296.7	7.057	0.55	0.02	0.16	
P	Melezitose	53.635	30.6	7.274	0.56	0.00	0.02	
Q	Maltotriose	56.227	90.9	7.625	0.55	0.01	0.05	
R	Panose	58.651	64	7.954	0.55	0.00	0.03	
93#1	Wt(s) (mg):	15.95						
	Wt(Xyl) (mg):	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.289	1644.6					
Mono	Monosaccharides	14.578	182911.6	2.000	0.97	11.45	71.76	
A	Sucrose	33.956	312.9	4.659	0.76	0.02	0.16	
B	Trehalose	36.121	233.7	4.956	0.92	0.02	0.10	
C	Cellobiose	37.57	753.2	5.154	0.72	0.06	0.40	
D	Laminaribiose	38.023	249.8	5.216	0.8	0.02	0.12	
E	Nigerose +Turanose1	38.217	1332.6	5.243	0.8	0.10	0.63	
F	Turanose2+Maltulose1	38.347	570.3	5.261	0.8	0.04	0.27	
G	Maltulose2+Maltose	38.822	2970.4	5.326	0.8	0.23	1.41	
H	Kojibiose	39.205	233.8	5.379	1.43	0.01	0.06	
I	Melibiose	39.819	42.7	5.463	0.44	0.01	0.04	
J	Gentiobiose	40.097	38.6	5.501	0.52	0.00	0.03	
K	Palatinose1	40.403	94.1	5.543	0.68	0.03	0.16	280.4366
L	Palatinose2	40.741	872.7	5.589	0.46	0.09	0.57	686.3634
N	Kestose	51.3	34.6	7.038	0.44	0.00	0.03	
Q	Maltotriose	56.218	80.1	7.713	0.55	0.01	0.06	
R	Panose	58.634	344.2	8.044	0.55	0.04	0.24	
S	Isomaltotriose	59.703	8.2	8.191	0.56	0.00	0.01	
93#2	Wt(s) (mg):	15.54						
	Wt(Xyl) (mg):	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.256	1250.9					
Mono	Monosaccharides	14.438	135566.4	1.990	0.97	11.16	71.81	
A	Sucrose	33.941	173.4	4.678	0.76	0.02	0.12	
B	Trehalose	36.099	205	4.975	0.92	0.02	0.11	
C	Cellobiose	37.557	530.1	5.176	0.72	0.06	0.38	
D	Laminaribiose	38.01	218.3	5.238	0.8	0.02	0.14	
E	Nigerose +Turanose1	38.176	936.2	5.261	0.8	0.09	0.60	
F	Turanose2+Maltulose1	38.333	495.2	5.283	0.8	0.05	0.32	
G	Maltulose2+Maltose	38.77	2039.3	5.343	0.8	0.20	1.31	
H	Kojibiose	39.171	211.2	5.398	1.43	0.01	0.08	
I	Melibiose	39.802	46.9	5.485	0.44	0.01	0.05	
J	Gentiobiose	40.081	32.8	5.524	0.52	0.01	0.03	
K	Palatinose1	40.387	72.8	5.566	0.68	0.03	0.16	216.9584

L	Palatinose2	40.722	644.2	5.612	0.46	0.09	0.56	500.0416
N	Kestose	51.299	34.2	7.070	0.44	0.01	0.04	
P	Melezitose	52.995	12.5	7.304	0.56	0.00	0.01	
Q	Maltotriose	56.208	48.7	7.746	0.55	0.01	0.05	
R	Panose	58.632	211.9	8.080	0.55	0.03	0.20	
S	Isomaltotriose	59.758	14.8	8.236	0.56	0.00	0.01	

Honey results for Malaysia.

83#1	Wt(s) (mg):	14.58						
	Wt(Xyl) (mg):	0.09983						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.708	1953.8					
Mono	Monosaccharides	14.819	105324.8	1.923	0.97	9.70	66.54	
	Monosaccharides	15.124	78837.3	1.962				
A	Sucrose	34.954	141.4	4.535	0.76	0.01	0.07	
B	Trehalose	36.778	544.3	4.771	0.92	0.03	0.21	
C	Cellobiose	38.2	1150.4	4.956	0.72	0.08	0.56	
D	Laminaribiose	38.84	1120.4	5.039	0.8	0.07	0.49	
E	Nigerose+Turanose1	39.004	1198.9	5.060	0.8	0.08	0.53	
F	Turanose2+Malulose1	39.271	540.8	5.095	0.8	0.03	0.24	
G	Maltose+maltulose2	39.376	665.2	5.108	0.8	0.04	0.29	
	Maltose+maltulose2	39.448	2450.8	5.118				
H	Kojibiose	39.829	907	5.167	1.43	0.03	0.22	
I	Melibiose	40.454	484.2	5.248	0.44	0.06	0.39	
J	Gentiobiose	40.723	415.6	5.283	0.52	0.04	0.28	
K	Palatinose1	41.057	438.8	5.327	0.68	0.10	0.67	1307.71
L	Palatinose2+isomaltose	41.393	1860.7	5.370	0.46	0.11	0.76	991.79
N	1-kestose	51.976	29.2	6.743	0.44	0.00	0.02	
O	Erlose	52.707	30.8	6.838	0.55	0.00	0.02	
P	Melezitose	53.361	29.7	6.923	0.56	0.00	0.02	
Q	Maltotriose	56.975	152.1	7.392	0.55	0.01	0.10	
R	Panose	59.499	240	7.719	0.55	0.02	0.15	

S	Isomaltotriose	60.628	38.7	7.866	0.56	0.00	0.02	
83#2	Wt(s) (mg):	16.17						
	Wt(Xyl) (mg):	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.687	1544					
Mono	Monosaccharides	15.031	153949.8	1.955	0.97	10.27	63.49	
A	Sucrose	34.943	154.4	4.546	0.76	0.01	0.08	
B	Trehalose	36.762	249.9	4.782	0.92	0.02	0.11	
C	Cellobiose	38.166	314.1	4.965	0.72	0.07	0.46	
	Cellobiose	38.187	519.2	4.968				
D	Laminaribiose	38.826	902.7	5.051	0.8	0.07	0.45	
E	Nigerose+Turanose1	39.002	710.4	5.074	0.8	0.06	0.36	
F	Turanose2+Malulose1	39.289	613.9	5.111	0.8	0.05	0.31	
G	Maltose+maltulose2	39.398	975.8	5.125	0.8	0.21	1.31	
	Maltose+maltulose2	39.43	1645.4	5.129				
H	Kojibiose	39.826	736.8	5.181	1.43	0.03	0.21	
I	Melibiose	40.438	350.5	5.261	0.44	0.05	0.32	
J	Gentiobiose	40.719	319.4	5.297	0.52	0.04	0.25	
K	Palatinose1	41.05	232.4	5.340	0.68	0.07	0.41	692.60
L	Palatinose2+isomaltose	41.363	750.1	5.381	0.46	0.13	0.80	914.20
	Palatinose2+isomaltose	41.394	624.3	5.385				
O	Erlose	52.689	21.9	6.854	0.55	0.00	0.02	
Q	Maltotriose	57.003	154.9	7.416	0.55	0.02	0.11	
R	Panose	59.485	119.9	7.738	0.55	0.01	0.09	
	Panose	59.515	119.6	7.742				
S	Isomaltotriose	60.662	39.4	7.892	0.56	0.00	0.03	
83#3	Wt(s) (mg):	15.09						
	Wt(Xyl) (mg):	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.682	1731.4					
Mono	Monosaccharides	15.079	171432.6	1.963	0.97	10.20	67.61	
A	Sucrose	34.946	112.1	4.549	0.76	0.01	0.06	
B	Trehalose	36.771	211.1	4.787	0.92	0.01	0.09	
C	Cellobiose	38.208	1080.1	4.974	0.72	0.09	0.57	
D	Laminaribiose	38.84	977.6	5.056	0.8	0.07	0.47	
E	Nigerose+Turanose1	39.002	1180.4	5.077	0.8	0.09	0.56	
F	Turanose2+Malulose1	39.304	689.9	5.116	0.8	0.05	0.33	
G	Maltose+maltulose2	39.462	3042.5	5.137	0.8	0.22	1.45	
H	Kojibiose	39.835	902.1	5.185	1.43	0.04	0.24	
I	Melibiose	40.432	208.3	5.263	0.44	0.05	0.36	
	Melibiose	40.461	210.9	5.267				

J	Gentiobiose	40.713	189.7	5.300	0.52	0.04	0.28		
	Gentiobiose	40.739	192.9	5.303					
K	Palatinose1	41.06	316.8	5.345	0.68	0.08	0.53	944.13	
L	Palatinose2+isomaltose	41.372	681.2	5.386	0.46	0.11	0.76	910.57	
	Palatinose2+isomaltose	41.397	856.7	5.389					
N	Kestose	51.963	16.8	6.764	0.44	0.00	0.01		
O	Erlose	52.692	34.6	6.859	0.55	0.00	0.02		
P	Melezitose	53.336	15.8	6.943	0.56	0.00	0.01		
Q	Maltotriose	56.969	169.8	7.416	0.55	0.02	0.12		
R	Panose	59.477	283.1	7.742	0.55	0.03	0.20		
S	Isomaltotriose	60.596	50.8	7.888	0.56	0.01	0.03		
90#1	Wt(s) (mg):	14.35							
	Wt(Xyl) (mg):	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.671	1546.8						
Mono	Monosaccharides	14.685	71819.4	1.914	0.97	9.33	65.00		
	Monosaccharides	14.997	68377.3	1.955					
A	Sucrose	34.942	75.3	4.555	0.76	0.01	0.04		
B	Trehalose	36.37	17.4	4.741	0.92	0.00	0.01		
C	Cellobiose	38.16	263.9	4.975	0.72	0.07	0.51		
	Cellobiose	38.194	555.4	4.979					
D	Laminaribiose	38.824	688.8	5.061	0.8	0.06	0.39		
E	Nigerose+Turanose1	38.922	106.1	5.074	0.8	0.07	0.48		
	Nigerose+Turanose1	38.977	407.1	5.081					
	Nigerose+Turanose1	39.003	339.4	5.084					
F	Turanose2+Malulose1	39.246	344.5	5.116	0.8	0.03	0.19		
G	Maltose+maltulose2	39.435	2544.9	5.141	0.8	0.21	1.43		
H	Kojibiose	39.815	523.6	5.190	1.43	0.02	0.16		
I	Melibiose	40.44	240.1	5.272	0.44	0.04	0.25		
J	Gentiobiose	40.71	216.2	5.307	0.52	0.03	0.19		
K	Palatinose1	41.037	182.1	5.350	0.68	0.05	0.36	542.69	
L	Palatinose2+isomaltose	41.356	504.8	5.391	0.46	0.11	0.80	816.01	
	Palatinose2+isomaltose	41.373	671.8	5.393					
N	1-kestose	51.935	23.9	6.770	0.44	0.00	0.02		
O	Erlose	52.695	23.1	6.869	0.55	0.00	0.02		
Q	Maltotriose	56.967	71.8	7.426	0.55	0.02	0.10		
	Maltotriose	56.988	56.1	7.429					
R	Panose	59.483	183.5	7.754	0.55	0.02	0.15		
S	Isomaltotriose	60.641	36.3	7.905	0.56	0.00	0.03		
90#2	Wt(s) (mg):	14.84							
	Wt(Xyl) (mg):	0.09988							

Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.733	2239.3					
Mono	Monosaccharides	15.184	229298.3	1.964	0.97	10.54	71.05	
A	Sucrose	34.97	143.1	4.522	0.76	0.01	0.06	
B	Trehalose	36.779	297.7	4.756	0.92	0.01	0.10	
C	Cellobiose	38.001	895.5	4.914	0.72	0.06	0.37	
D	Laminaribiose	38.875	1912.4	5.027	0.44	0.19	1.31	
E	Nigerose+Turanose1	39.035	1749.8	5.048	0.8	0.10	0.66	
F	Turanose2+Maltulose1	39.291	648.3	5.081	0.8	0.04	0.24	
G	Maltose+Maltulose2	39.509	4895.4	5.109	0.8	0.27	1.84	
H	Kojibiose	39.874	1096.8	5.156	1.43	0.03	0.23	
I	Melibiose	40.469	482.4	5.233	0.44	0.05	0.33	
J	Gentiobiose	40.752	653.6	5.270	0.52	0.06	0.38	
K	Palatinose1	41.088	416.6	5.313	0.68	0.08	0.55	1241.55
L	Palatinose2+Isomaltose	41.419	1987.4	5.356	0.46	0.11	0.76	1162.45
O	Erlose	51.972	38.3	6.721	0.55	0.00	0.02	
P	Melezitose	52.686	24.3	6.813	0.56	0.00	0.01	
Q	Maltotriose	56.994	257.5	7.370	0.55	0.02	0.14	
R	Panose	59.501	367.1	7.694	0.55	0.03	0.20	
S	Isomaltotriose	60.625	59.2	7.840	0.56	0.00	0.03	
90#3	Wt(s) (mg):	15.98						
	Wt(Xyl) (mg):	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.692	2096.5					
Mono	Monosaccharides	15.142	220518.3	1.969	0.97	10.84	67.82	
A	Sucrose	34.97	152.4	4.546	0.76	0.01	0.06	
B	Trehalose	36.764	351.4	4.780	0.92	0.02	0.11	
C	Cellobiose	37.979	883.4	4.937	0.72	0.06	0.37	
D	Laminaribiose	38.849	1363.9	5.051	0.8	0.08	0.51	
E	Nigerose+Turanose1	39.021	1490.2	5.073	0.8	0.09	0.56	
F	Turanose2+Maltulose1	39.34	975.2	5.114	0.8	0.06	0.36	
G	Maltose+Maltulose2	39.488	4090.3	5.134	0.8	0.24	1.53	
H	Kojibiose	39.861	1001.7	5.182	1.43	0.03	0.21	
I	Melibiose	40.458	458.2	5.260	0.44	0.05	0.31	
J	Gentiobiose	40.735	492.5	5.296	0.52	0.05	0.28	
K	Palatinose1	41.062	409.4	5.338	0.68	0.09	0.54	1220.09
L	Palatinose2+Isomaltose	41.413	2000.6	5.384	0.46	0.12	0.77	1189.91
O	Erlose	51.965	33.8	6.756	0.55	0.00	0.02	
P	Melezitose	52.682	34.3	6.849	0.56	0.00	0.02	
Q	Maltotriose	56.97	256.9	7.406	0.55	0.02	0.14	
R	Panose	59.492	370.6	7.734	0.55	0.03	0.20	

S	Isomaltotriose	60.617	75.3	7.881	0.56	0.01	0.04	
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Honey results for Indonesia.

25#1	Wt(s) (mg):	15.44							
	Wt(Xyl) (mg):	0.09983							
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.531	2027.7						
Mono	Monosaccharides	14.865	207757.1	1.974	0.97	10.54	68.30		
A	Sucrose	34.413	642.9	4.570	0.76	0.04	0.27		
C	Cellobiose	37.622	1103	4.996	0.72	0.08	0.49		
D	Laminaribiose	38.075	436.1	5.056	0.8	0.03	0.17		
E	Nigerose+Turanose1	38.269	2086.3	5.082	0.8	0.13	0.83		
F	Turanose2+Maltulose1	38.385	356.3	5.097	0.8	0.02	0.14		
G	Maltose+Maltulose2	38.763	2597.1	5.147	0.8	0.16	1.04		
H	Kojibiose	39.224	397.7	5.208	1.43	0.01	0.09		
I	Melibiose	39.551	269.2	5.252	0.44	0.03	0.20		
J	Gentiobiose	39.863	213.7	5.293	0.52	0.02	0.13		
K	Palatinose1	40.141	265.6	5.330	0.68	0.04	0.25	791.54	
	Palatinose2	40.438	259	5.370				-266.94	
N	Kestose	51.806	13.8	6.879	0.44	0.00	0.01		
O	Erlose	51.984	16	6.903	0.55	0.00	0.01		
Q	Maltotriose	55.638	66.9	7.388	0.55	0.01	0.04		
R	Panose	57.344	18.5	7.614	0.55	0.00	0.01		

Honey results for South Korea.

113#1	W(s) (mg):	17.26							
	W(Xyl) (mg):	0.09983							
Peak	Sugar	Time(min)	Area	RRT	RF(o)	Wt(o)	%(o)		
IS	Xylitol	7.805	1216.2						
Mono	Monosaccharides	14.905	91110.8	1.910	0.97	7.71	44.67		
A	Sucrose	34.616	65.5	4.435	0.76	0.01	0.04		
B	Trehalose	36.794	105.6	4.714	0.92	0.01	0.05		
C	Cellobiose	38.213	755.4	4.896	0.72	0.09	0.50		
D	Laminaribiose	38.917	315	4.986	0.80	0.03	0.19		
E	Nigerose+Turanose1	39.092	3105.1	5.009	0.80	0.32	1.85		
F	Turanose2+Malulose1	39.337	2026.3	5.040	0.80	0.21	1.20		
G	Maltose+maltulose2	39.532	3290.2	5.065	0.80	0.34	1.96		
H	Kojibiose	39.901	2011.6	5.112	1.43	0.12	0.67		
I	Melibiose	40.492	1169.5	5.188	0.44	0.22	1.26		

J	Gentiobiose	40.753	569.8	5.221	0.52	0.09	0.52	
K	Palatinose1	41.109	1247.6	5.267	0.68	0.36	2.09	3718.095
	Palatinose2	41.426	1734.3	5.308				-736.195
N	1-kestose	51.982	195	6.660	0.44	0.04	0.21	
O	Erlose	52.702	270.3	6.752	0.55	0.04	0.23	
P	Melezitose	53.27	93.1	6.825	0.56	0.01	0.08	
Q	Maltotriose	56.973	197	7.300	0.55	0.03	0.17	
R	Panose	59.507	425	7.624	0.55	0.06	0.37	
S	Isomaltotriose	60.661	158.5	7.772	0.56	0.02	0.13	
T	Isomaltotetraose?	75.68	41.7	9.696	ND			
113#2	W(s) (mg):	18.17						
	W(Xyl) (mg):	0.09988						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.761	1183.4					
Mono	Monosaccharides	15.117	166954.7	1.948	0.97	14.14	77.79	
A	Sucrose	34.629	29	4.462	0.76	0.00	0.02	
B	Trehalose	36.775	41.6	4.738	0.92	0.00	0.02	
C	Cellobiose	38.206	667.3	4.923	0.72	0.08	0.42	
D	Laminaribiose	38.862	209	5.007	0.80	0.02	0.12	
E	Nigerose+Turanose1	39.068	1697.1	5.034	0.80	0.28	1.55	
	Nigerose+Turanose1	39.09	1042.1	5.037				
F	Turanose2+Malulose1	39.335	1680.7	5.068	0.80	0.17	0.95	
G	Maltose+maltulose2	39.51	2964.7	5.091	0.80	0.30	1.76	
H	Kojibiose	39.901	1759.7	5.141	1.43	0.10	0.56	
I	Melibiose	40.492	969.4	5.217	0.44	0.18	1.00	
J	Gentiobiose	40.752	462.1	5.251	0.52	0.07	0.40	
K	Palatinose1	41.103	1004.9	5.296	0.68	0.29	1.58	
	Palatinose2	41.427	1373.9	5.338				
N	1-kestose	51.991	144.5	6.699	0.44	0.03	0.15	
O	Erlose	52.71	191.9	6.792	0.55	0.03	0.16	
P	Melezitose	53.261	62	6.863	0.56	0.01	0.05	
Q	Maltotriose	56.96	124.8	7.339	0.55	0.02	0.10	
R	Panose	59.52	239.3	7.669	0.55	0.04	0.20	
S	Isomaltotriose	60.661	21.1	7.816	0.56	0.00	0.02	
113#3	W(s) (mg):	14.69						
	W(Xyl) (mg):	0.09995						
Peak	Sugar	Time (min)	Area	RRT	RF(o)	Wt(o)	%(o)	
IS	Xylitol	7.746	1511.7					
Mono	Monosaccharides	14.797	77918.3	1.910	0.97	6.60	44.94	
A	Sucrose	34.624	59.1	4.470	0.76	0.01	0.04	
B	Trehalose	36.784	68.2	4.749	0.92	0.01	0.04	
C	Cellobiose	38.209	725.4	4.933	0.72	0.08	0.56	
D	Laminaribiose	38.918	43.9	5.024	0.8	0.00	0.03	
E	Nigerose+Turanose1	39.079	2677.9	5.045	0.8	0.28	1.87	
F	Turanose2+Malulose1	39.333	1696.1	5.078	0.8	0.17	1.19	
G	Maltose+maltulose2	39.518	2987.2	5.102	0.8	0.31	2.09	
H	Kojibiose	39.895	1925.9	5.150	1.43	0.11	0.75	
I	Melibiose	40.5	963.2	5.229	0.44	0.18	1.22	

J	Gentiobiose	40.756	416.4	5.262	0.52	0.07	0.45	2332.303 -1429.4
K	Palatinose1	41.108	782.6	5.307	0.68	0.11	0.74	
	Palatinose2	41.209	120.3	5.320				
N	1-kestose	51.981	156.3	6.711	0.44	0.03	0.20	
O	Erlose	52.707	215.6	6.804	0.55	0.03	0.22	
P	Melezitose	53.261	67.9	6.876	0.56	0.01	0.07	
Q	Maltotriose	56.975	198.9	7.355	0.55	0.03	0.20	
R	Panose	59.515	309.7	7.683	0.55	0.05	0.32	
S	Isomaltotriose	60.679	64.8	7.834	0.56	0.01	0.06	
T	Isomaltotetraose?	75.748	36.3	9.779	ND			

ND = not determined